

Jones Brothers (Hellan) Limited & Tai Tarian

MEADOW ROAD, NEATH

Site Investigation Report

12722/LW/20/SI Rev C

CLIENT: Jones Brothers (Hellan) Limited & Tai Tarian

PROJECT: Meadow Road, Neath

TITLE: Site Investigation Report

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1.0 INTRODUCTION

1.1 GENERAL

Jones Brothers (Hellan) Limited and Tai Tarian are proposing to develop a site off Meadow Road in Neath for residential end-use.

Spring Design Consultancy are the appointed Consulting Civil and Structural Engineers for the scheme.

Intégral Géotechnique (Wales) Limited have been appointed as the Geotechnical Engineers to undertake a site investigation to enable a geotechnical and geoenvironmental appraisal of the site and provide a basis for design.

This report presents the findings of the site investigation and gives recommendations for the design of foundations, floor slabs and other geotechnical and geoenvironmental aspects of the project.

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1.2 PROPOSED DEVELOPMENT

The proposed development will comprise the construction of 52 No. properties of varying sizes and style as presented on Site Layout Ref. 2330-00(02)100 produced by Spring Design. The development will include associated infrastructure including access roads, car parking areas and private driveways. The development will also include areas of landscaping and private gardens.

1.3 SCOPE OF WORKS

The work instructed included a desk study of available information, site reconnaissance and intrusive investigation. This was followed by laboratory testing and geotechnical and geoenvironmental reporting.

1.3 SCOPE OF WORKS (CONTINUED)

The desk study comprised a review of:

- An Envirocheck Report obtained for the site;
- Old Ordnance Survey maps covering the site, included within the Envirocheck Report;
- A Radon Report obtained from the British Geological Survey;
- A Coal Authority Mining Report;
- Geological maps of the area provided by the British Geological Survey;
- Natural Resources Wales groundwater vulnerability map and aquifer database for the area; and
- Existing site investigation data

The desk study information was used to make an initial assessment of the site and to design an investigation to be carried out by Intégral Géotechnique. The site investigation was designed in accordance with BS 5930:2015+A1:2020, the Code of Practice for Site Investigations, BS10175:2011+A2:2017, the Code of Practice for Investigation of Potentially Contaminated Sites, and 'Development of Land Affected by Contamination: A Guide for Developers' prepared by Welsh Local Government Association (WLGA)/Natural Resources Wales (NRW) Land Contamination Working Group, 2017.

The site investigation included:

- An intrusive investigation carried out during October 2020 comprising the excavation of twelve trial pits and six soil infiltration tests within selected trial pits;
- A further intrusive investigation was carried out during December 2020 comprising the drilling of four cable percussion boreholes and four windowless sample boreholes;
- Sampling of soil for laboratory chemical and geotechnical testing; and
- Monitoring for concentrations of methane, carbon dioxide, oxygen, hydrocarbon vapours and gas flow.

1.4 LIMITATIONS

This document is intended to be a working document for further development in discussion with all concerned including the Local Planning Authority, Natural Resources Wales, and the NHBC as appropriate.

1.4 LIMITATIONS (CONTINUED)

“Contamination” is taken throughout the report to mean the “presence of one or more potentially harmful substances as a result of human activity”. The use of the term in this way does not imply that harm is being or might be caused by the contamination. It should be noted that “contamination” can have different meanings under different regulatory regimes, for example, planning, building control and Part IIA of the Environmental Protection Act 1990. Naturally elevated concentrations of potentially harmful substances may also be of concern and the significance of any that have been found is also evaluated in this report.

It is important to recognise that there may be areas of contamination that have not been found, or that contaminants are present at concentrations above those that have been found. It is also important to recognise that contamination may be localised and that no investigation, however comprehensive, is capable of finding such occurrences other than by chance.

It should also be noted that vertical and lateral changes in ground conditions may be present between exploratory hole locations.

Access for the intrusive site investigation was partially limited at the time due to the presence of buried and overhead services and areas of wet/saturated ground.

2.0 THE SITE

2.1 SITE LOCATION AND DESCRIPTION

The site is located off Meadow Road approximately 1km south of Neath at a National Grid Reference of 275020, 196120, see Figure 1.

The site is irregular in shape and occupies an area of approximately 2 hectares. The boundaries of the site are defined by the rear gardens of properties off Meadow Road to the northwest, Eaglesbush House and grounds and properties off Eaglesbush Mews to the west and southwest, existing access road to the south and undeveloped heavily wooded land to the northeast. A site plan is presented in Figure 2.

The site is situated on undulating ground at approximate elevations of between 48m and 52m AOD, locally elevations fall to approximately 40m AOD towards the surface water feature/culvert which flows southwest to northeast approximately through the centre of the site.

The north western area of the site is currently heavily wooded and situated on steeply sloping ground. The boundaries of the site are also heavily wooded and vegetated. Vegetated sloping ground extends from the north eastern boundary into the adjoining wooded area. The majority of the site area is grass covered and undeveloped. Some trees and areas of vegetation are sporadically located across the site.

Within the lower areas of the site, particularly the centre and eastern area of the site, the ground was noted to be saturated at surface level.

2.2 SITE OPERATIONS

There are no current site operations with the site undeveloped and utilised as farmland.

2.3 SURROUNDING LAND USE

The surrounding areas are largely developed for residential use and with undeveloped wooded areas mainly to the east but with other areas along the boundaries of the site to the north and south.

2.4 AVAILABLE SITE INVESTIGATION DATA

There is no available site investigation data to our knowledge.

2.5 CONSULTATIONS WITH REGULATORS

The regulators have not been contacted at this stage.

3.0 SITE HISTORY

The recent history of the site has been traced with the aid of an Envirocheck Report, a copy of which is included in Appendix A. The Envirocheck Report includes the following scaled historical maps:

Map Scale	Dates
1:2,500	1881, 1899, 1919, 1935, 1952-1970, 1964-1970, 1964, 2000 (aerial photo)
1:1,1250	1951, 1958-1967, 1967-1968, 1979-1989, 1987-1989, 1993, 1995
1:10,560	1884, 1900, 1921, 1936, 1938-1951, 1945-1949 (aerial photo), 1951-1952
1:10,000	1964-1965, 1970-1974, 1980-1983, 1992-1996, 1999, 2006, 2020

The earliest edition of the map dated 1881 indicated the site to be undeveloped fields with a tree lined field boundary crossing approximately through the centre of the site on a southwest to northeast orientation. The north east corner of the site was indicated to be a mixed wooded area. A collection of buildings known as Eaglesbush occupied the area to the southwest of the site. Areas of landscaping were also indicated around the buildings and accessed via an existing road to the northwest of the site. An old quarry was indicated adjacent to the southeast boundary of the site and a larger quarry was indicated approximately 40m to the northeast of the site. Old gravel pits were located approximately 20m to the east and southeast of the site. Beyond the gravel pits, approximately 50m to the east of the site flowed Crythan Brook. Two old coal pits were indicated approximately 110m and 230m to the northwest of the site. Eaglesbush Foundry (Iron) was located approximately 200m to the north of the site.

3.0 SITE HISTORY (CONTINUED)

The edition of the map dated 1899 indicated the site to have remained relatively unchanged and undeveloped. An additional wooded area was now indicated along the western boundary of the site. The field boundary which crossed the site was no longer indicated to be tree lined. The buildings to the southwest of the site had been extended slightly and were now known as Eaglesbush House. The quarry to the northeast of the site had now expanded up to the site boundary. Eaglesbush Colliery had also opened to the southeast of the site with associated colliery buildings located adjacent to the southeast boundary. Tramways ran from the colliery approximately along the path of the brook to Eaglesbush Foundry to the north and Cambrian Brick Works approximately 200m to the southeast. The old quarry was no longer indicated to the southeast of the site and a building known as Eaglesbush Grove had been constructed. Residential development continued beyond the road approximately 130m to the northwest of the site.

The edition of the map dated 1918-1919 indicated the site to have remained relatively unchanged. A new access which had been constructed to enter the grounds of Eaglesbush House from the southwest. Eaglesbush Colliery was now indicated to be disused, some of the buildings remained but the associated tramways had been removed. An old coal pit was indicated approximately 60m to the southeast of the site, associated with the former colliery. The foundry to the north and the brickworks to the southeast were still operational. The quarry to the northeast was now an old quarry. Residential development continued along Old Road to the northwest of the site. Development had also taken place further to the west of the site beyond Eaglesbush House.

The 1935-1941 edition of the map indicated the site to have remained unchanged. Mainly residential development continued to the north and west of the site.

The edition of the map dated 1949-1967 indicated a water feature to flow across the site on a southwest to northeast orientation towards a pond feature located approximately 40m to the northeast, adjacent to the former quarry area. It then flowed onwards towards Crythan Brook. A small quarry excavation was also indicated to encroach across the northern boundary of the site. A new residential development was located along Meadow Road to the northwest of the site.

The 1962-1978 edition of the map indicated the site to have remained relatively unchanged and undeveloped. Eaglesbush House to the southwest had been extended to more than double the original size. The other buildings in the vicinity of Eaglesbush House remained unchanged. Residential development continued to the northwest of the site as Meadow Road extended with the properties and associated gardens now forming the northwest boundary.

3.0 SITE HISTORY (CONTINUED)

The site itself remained relatively unchanged over the years that followed. New residential development was indicated to the south of the site by 1993.

The aerial photo dated 2000 indicated the area to the south of the site was now also fully developed along The Avenue. The area at the location of the small quarry excavation was now completely wooded.

No significant changes were noted on site or in the surrounding areas in between the year 2000 and the present day.

4.0 SITE ENVIRONMENTAL SETTING

4.1 PHYSICAL SETTING

The site is located within a well-established residential area of Neath. The site is situated on undulating ground at approximate elevations of between 48m and 52m AOD, locally elevations fall to approximately 40m AOD towards the surface water feature/culvert which flows southwest to northeast approximately through the centre of the site.

4.2 GEOLOGY

The 1:50,000 and 1:10,560 scale geological maps of the area indicate that the site is underlain by Hughes Member bedrock of the Carboniferous period. These rocks typically comprise green-grey Pennant sandstones, with thin mudstones/siltstones and seatearth interbeds, and mainly thin coals. The strata dip in the area is indicated to be in a northerly direction.

The approximately north-south trending Cwm Felin Fault, which down throws to the west, is indicated to cross the site. Within the site the fault branches eastwards from the main fault.

The conjectural outcrop of the Westernmoor seam is indicated beneath the northwest corner of the site up to the Cwm Felin Fault. The conjectural outcrop of the Mountain seam is indicated beneath the northern edge of the site, to the east of the main fault line and up to the easterly branch of the fault, see Figure 3. Due to the dip of the strata these seams would underlie the site to the north of the conjectural outcrops.

Superficial deposits are not indicated to overlie the solid strata.

Made ground is not anticipated across the site, although localised areas could be encountered.

A summary of the anticipated geological succession is given below in Table 1.

4.2 GEOLOGY (CONTINUED)

Table 1: Summary of Anticipated Site Geology		
Geological unit	Horizon	Description
Recent	Topsoil/subsoil and/or localised made ground	Various materials
Carboniferous	Hughes Member	Green-grey Pennant sandstones, with thin mudstones/siltstones and seatearth interbeds, and mainly thin coals

4.3 RADON

Information with regard to Radon Protective Measures is provided within the Envirocheck Report and the BGS Radon Report as presented in Appendix B. The reports states that the site is within an intermediate probability area, as 3% to 5% of properties are above action level, and that therefore basic radon protective measures would be necessary in the construction of new buildings within the site. It should be noted that this classification is based on the worst case for the site. The BGS Report indicates that the eastern half of the site actually falls within a lower probability area, as less than 1% of properties are above action level, and that therefore no radon protective measures would be necessary in the construction of buildings within this part of the site. Prior to development when the layout is finalised it may be possible to zone the site.

4.4 MINING

A Coal Mining Report for the site has been obtained from the Coal Authority and a copy is included in Appendix C.

The Coal Authority states that *"The property is in a surface area that could be affected by underground mining in 1 seam of coal at 50m to 80m depth, and last worked in 1900."*

The Coal Authority cautions that *"In addition the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future activity, as ground movement could still be a risk."*

4.4 MINING (CONTINUED)

The Coal Authority mining report confirms that there are no known coal mine entries within, or within 20 metres of, the site boundary. However, the presence of unrecorded mine entries within the local area should not be ruled out.

The Coal Authority states that it is not aware of any damage due to geological faults or other lines of weakness affected by coal mining.

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

The Coal Authority report discusses workings in one seam of coal at 50m to 80m depth. It is considered, based on the information on the geological maps, that the worked seam referred to in the mining report is likely to be the Hughes seam whose conjectural outcrop is indicated to the south of the site. Based on the information and the position of the Cwm Felin Fault, it is considered that these workings would underlie the eastern area of the site. With recorded workings at 50m to 80m depth, these workings would be too deep to be of influence at the surface and therefore the risk to the development with regards to these workings would be considered to be low. It is not thought that these workings would extend beneath the western area of the site.

As discussed in Section 4.2, the conjectural outcrop of the Westernmoor seam is indicated beneath the northwest corner of the site and the conjectural outcrop of the Mountain seam is indicated beneath the northern edge of the site. The Generalized Vertical Section on the geological map indicates the Westernmoor seam to be 1ft 6in (0.46m) in thickness and the Mountain seam to be thin. It is considered that these seams would have been too thin to support underground workings. It should also be noted that an existing fault crosses the site, together with the second fault which radiates from the main fault to the east. The presence of this fault would have made underground mining difficult within the disturbed influencing zone of the fault. The risk of shallow unrecorded workings would therefore be considered to be low.

The presence of the conjectural outcrops of the Westernmoor seam and the Mountain seam beneath the site triggers a high-risk development classification, along the line of the outcrops, on the Coal Authority Interactive map. This high-risk classification is due to the possibility of shallow unrecorded workings. However, as discussed previously, this risk has been determined to be low based on the available information on the geology maps.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck report records the nearest water feature to be located on site. The OS Water Network map indicates this feature to be an unnamed surface water feature which in part flows underground. The nearest named surface water feature is Crythan Brook which is located 55m to the east.

The Environment Agency groundwater vulnerability map and aquifer database classifies the bedrock beneath the site as a Secondary 'A' Aquifer. Secondary 'A' Aquifers are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

No perched water body could be encountered within any made ground or more granular in-situ materials.

It is considered possible that any existing site drainage could act as a pathway for potential surface contaminants.

There are four recorded discharge consents recorded within 500m of the site boundary, two of which have either been revoked or have expired. The nearest effective consent is recorded 17m to the northeast of the site and is a freshwater stream/river discharge received by an unnamed stream at Eaglesbush. The next new consent is recorded 43m to the southwest of the site where is an unspecified discharge from a domestic property is received by the land.

The Envirocheck Report states that there are no water abstractions recorded within 1km of the site boundary.

Tables 2 and 3 present a summary of the hydrological features and key hydrogeological nature of the site.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

Table 2: Summary of Site Hydrology					
Feature	Distance from site	Flow	Classification	Abstraction	Discharge
Unnamed surface and underground water feature	On site	North easterly	Not known	No	Crythan Brook
Crythan Brook	55m east	Northerly	Not known	No	Neath Canal
Surface run-off	On site	Flows into site drainage	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

Table 3: Summary of Site Hydrogeology				
Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Topsoil/subsoil and/or localised made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Hughes Member	Secondary A Aquifer	Variable moderate permeability sandstones, with thin mudstone/siltstone and thin coals	No	None

The Groundwater Vulnerability map of the area splits the site into two classifications. The bedrock within the western area has been classified as having a low vulnerability and within the eastern area as having a medium vulnerability. The pollutant speed is high with well-connected fractures within the western area and low with well-connected fractures within the eastern area.

The Natural Resources Wales Flood Risk Map as presented within the Envirocheck Report indicates that the site is not at risk to extreme flooding from rivers or sea without defences.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

The Natural Resources Wales Surface Water Flood Risk map as presented within the Envirocheck Report indicates that the majority of the site is not at a risk to surface water flooding. However, the map indicates that the areas along the existing surface water feature and the northeast area of the site, are at a high risk to surface water flooding (30-year flood extent).

The BGS Groundwater Flooding Susceptibility map indicates that the site has limited potential for groundwater flooding to occur.

4.6 LANDFILL SITES

The Envirocheck Report indicates that there are no BGS recorded or historical landfill sites located within 500m of the site boundary. There are also no active licensed waste management facilities within 500m of the site boundary.

There are records of potentially infilled land (non-water) within 250m of the site boundary. The nearest area is located 17m to the southeast of the site at the location of the former Eaglesbush Colliery. Additional areas are indicated 120m to the west, 121m to the west and 245m to the northwest at the location of old coal pits.

4.7 POTENTIAL CONTAMINATION

Previous Uses

The various activities in the vicinity of the site which may have resulted in ground or water resource contamination on this site are listed below in Tables 4 and 5. A summary of the potential contaminants can be found in the tables.

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Table 4: Potential Contaminants		
Land Use: Site undeveloped until the present day		
Material/Process	Contamination/Hazard	Evidence
Possibly utilised as farmland	No potential contaminants	Historical maps
Disturbed ground in the vicinity of the small quarry on the northern boundary of the site. Possible localised infilled ground/made ground/disturbed within the site from adjacent activities	Metals, semi metals, non-metals, PAH, asbestos	Anecdotal
Anticipated elevated concentrations of lead/arsenic known to affect the area due to historical industrial processes in the Swansea/Neath area	Lead/arsenic	Envirocheck Report

Existing Uses

The site is currently undeveloped and utilised as farmland.

Adjacent Site Uses

Table 5: Potential Contaminants: Adjacent Site Uses		
Potential Contamination Source	Boundary	Associated Contaminants and Hazards
Residential	North western	No Potential Contaminants
Eaglesbush House and associated grounds and residential properties	Southern and south western	No Potential Contaminants
Woodland	Eastern and northern	No Potential Contaminants

4.8 OTHER ENVIRONMENTAL ISSUES

The Envirocheck Report indicates that the wooded area which bounds the northeast of the site is an area known as Eaglesbush Valley which is a local nature reserve. There are also areas of ancient woodland indicated within the northeast area of the site extending off site to the northeast and also to the east and south of the site.

4.8 OTHER ENVIRONMENTAL ISSUES (CONTINUED)

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site but two within 500m of the site boundary. The nearest incident was recorded 119m northeast of the site and was a Category 3-Minor Incident involving a direct discharge of an unknown pollutant. Another minor incident was recorded 171m to the northeast of the site also involving an unknown pollutant.

There have been no substantiated pollution incidents registered on site or recorded within 500m of the site boundary.

There have been no prosecutions relating to controlled waters or to authorised processes recorded on site or within 1km of the site boundary.

The site is heavily vegetated and mature trees are present within the site. The presence of invasive plants cannot be ruled out at this stage and therefore it would be recommended to undertake a full plant survey prior to development.

The Envirocheck Report anticipates arsenic concentrations of up to 120mg/kg in the north of the site and up to 45mg/kg in the south of the site. This exceeds the adopted SGV (Soil Guidance Value) of 37mg/kg for residential development with plant uptake.

The Envirocheck Report anticipates lead concentrations of up to 300mg/kg in the north of the site. This exceeds the adopted SGV of 200mg/kg for residential development with plant uptake.

5.0 PRELIMINARY CONCEPTUAL SITE MODEL

5.1 RISK ASSESSMENT FRAMEWORK

In order to be consistent with current UK government policies and legislation, it is necessary to identify, assess, estimate, evaluate, and take appropriate action to deal with land contamination, in accordance with the procedures specified in the Environment Agency guidance Land Contamination Risk Management (LCRM) published in October 2020. This replaces the now withdrawn 'Model Procedures for the Management of Land Contamination CLR-11' (Environment Agency 2004).

The risk assessment process is designed to provide a reasoned, structured and pragmatic mechanism for the identification of any potential human health and controlled waters risks associated with land contamination and where necessary to develop a robust remediation strategy to ensure protection of the sensitive receptors (human health of future residents, controlled waters, etc.).

In accordance with LCRM, the term 'land contamination' is defined as:

- All land affected by contamination – land that might have contamination present which may, or may or may not, meet the statutory definition of contaminated land,
- Land determined as contaminated land under Part 2A of the Environmental Protection Act 1990.

LCRM provides a tiered approach to risk assessment, comprising a preliminary risk assessment (including the development of an initial conceptual site model), a generic quantitative risk assessment and a detailed quantitative risk assessment. For each tier of risk assessment, the following steps must be followed:

1. Identify the hazard - establish contaminant sources,
2. Assess the hazard – use a source-pathway-receptor linkage approach to determine if there is potential for unacceptable risk,
3. Estimate the risk – predict what degree of harm or pollution may result and how likely it is to occur, and
4. Evaluate the risk – decide whether a risk is unacceptable.

LCRM also provides definitions of the following terms:

- Hazard – a property or situation that in particular circumstances could lead to harm or pollution,

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

- Risk – a combination of the probability, or frequency of occurrence of a defined hazard and the magnitude of the consequences of the occurrence,
- Risk assessment – the formal process of identifying, assessing and evaluating the health and environmental risks that may be associated with a hazard,
- Risk management – the formal process to identify, assess and determine the risks, and to select and take action to mitigate them.

The three essential elements to any risk are defined by LCRM as follows:

- A contaminant, or pollutant, that is in, on, or under the land and that has the potential to cause harm, or pollution (Source)
- A route by which a receptor is, or could be affected by a contaminant (Pathway)
- A receptor, i.e. something that could be adversely affected by a contaminant, for example a person, controlled waters, an organism, an ecosystem, or Part 2A receptors such as buildings, crops or animals (Receptor).

In order for there to be a potential risk, all three of the above elements must be present. If there is a source of contamination and a receptor (for example a resident or site user), then there is only a potential risk if there is a pathway linking the two. Such an active pathway is known as a relevant pollutant linkage. It is possible for the same contaminant to be linked to a receptor via a number of pathways, and hence it is important that all relevant pollutant linkages, to both human health and controlled waters, are separately identified on a site in order that a comprehensive conceptual model can be formed and ultimately a robust remediation strategy designed.

Current practice during Generic Quantitative Risk Assessment of land affected by contamination is to use generic soil screening values based on the appropriate proposed end use. These usually comprise risk-based Soil Guideline values (SGVs) or Generic Assessment Criteria (GACs) derived by the Environment Agency's Contaminated Land Exposure Assessment Model (CLEA). The SGVs and the supporting technical guidance were developed in order to assist in the assessment of long-term risk to human health from the exposure to contaminated soils.

Revised Statutory Guidance, published in 2012, to support Part 2A of the Environmental Protection Act 1990, introduced a new four category system for classifying land under Part 2A. Category 1 includes land where the level of risk is clearly unacceptable and Category 4 includes land where the level of risk posed is considered to be acceptably low. Under Part 2A, land would be determined as contaminated if it falls within Categories 1 or 2.

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

The revised Part 2A Statutory Guidance was accompanied by an Impact Assessment that identified a role for new 'Category 4 Screening Levels' (C4SLs) that would provide a simple test for determining when land is suitable for use and definitely not contaminated land. A Policy Companion Document including the C4SLs was published in March 2014 (England) and May 2014 (Wales).

The C4SLs have been based on the CLEA methodology and derived using the CLEA model, with modified toxicological and exposure parameters. To date, C4SLs have been released for six substances (arsenic, cadmium, chromium (VI), lead, benzo(a)pyrene and benzene).

The C4SLs have been derived on the assumption that where they exist, they will be used as generic screening criteria within generic quantitative risk assessment.

Following publication of the C4SLs, Land Quality Management (LQM), in conjunction with the Chartered Institute for Environmental Health (CIEH) released Suitable 4 Use Levels (S4ULs) in January 2015.

The S4ULs have been derived in accordance with UK legislation, and using a modified version of the Environment Agency's CLEA software. As such, the S4ULs are based on the concept of minimal or tolerable risk as described in Human Health Toxicological Assessment of Contaminants in Soil (Science Report SR2, Environment Agency 2009a).

S4ULs have been derived for a wider number of substances.

In addition to the existing SGVs, C4SLs and S4ULs, Atkins ATRISK^{soil} also provide a set of Soil Screening Values. These are currently intended to be used in conjunction with SGVs, although they intend to update these values in line with the C4SLs in due course.

We have reviewed all sets of values and intend to use the most appropriate assessment criteria as Tier 1 screening values in the first instance. Where a published S4UL is available, and considered appropriate, this will be used in the first instance.

5.2 CONCEPTUAL MODEL FRAMEWORK

The preliminary stage of the risk assessment process is to develop and define a conceptual site model, based on the desk study and any existing site investigation data. This is used to establish any potential contaminant sources, identify existing and future receptors and assess if there are any potentially active pathways by which a potential risk may be present.

The preliminary conceptual site model will be developed and refined as site specific data is gathered, such as actual ground conditions and chemical data, resulting in a more robust conceptual understanding of the site.

5.3 CRITICAL SENSITIVE RECEPTOR – HUMAN HEALTH

The proposed redevelopment of the site is for a residential end use. Therefore, the critical sensitive receptor from a human health perspective is an on-site residential receptor.

In accordance with S4UL/C4SL and CLEA guidance for a standard residential scenario, the critical sensitive receptor for a residential end use risk assessment is a female child, with exposure from 0 to 6 years.

The standard residential end-use with home grown produce conceptual model defined by S4UL/C4SL and CLEA is assumed to be suitable for the purposes of this assessment.

5.4 CRITICAL SENSITIVE RECEPTOR – CONTROLLED WATERS

Based on the proposed redevelopment of the site for a residential end use, and the findings of the desk study, the critical sensitive receptor from a controlled water perspective is groundwater within the Secondary 'A' Aquifer of the Hughes Member.

By considering groundwater as the critical sensitive receptor for controlled waters, the groundwater/hydrogeological risk assessment will also be protective of the surface water feature which crosses the site.

5.5 POTENTIAL CONTAMINANT SOURCES

As identified in the desk study, the site has remained undeveloped over the years. There was evidence of a small quarry excavation on site which may have caused localised ground disturbance. There is also potential for localised disturbance on the site boundaries from general farming activities.

5.5 POTENTIAL CONTAMINANT SOURCES (CONTINUED)

Made ground is not anticipated to be widespread within the site but localised areas could be encountered. Where made ground is encountered the potential types of contaminants of concern are listed below:

- Metals, semi-metals, and inorganics within the shallow made ground;
- Polyaromatic hydrocarbons (PAH) within the shallow made ground; and
- Asbestos within the shallow made ground.

5.6 POTENTIAL EXPOSURE PATHWAYS

Potential exposure pathways for the critical receptors (both human health and controlled waters) are listed below:

- Dermal contact with soil and/or soil derived dust;
- Ingestion of soil and/or soil attached to home-grown produce;
- Ingestion of home-grown produce;
- Inhalation of soil derived dust;
- Inhalation of vapours – indoor and outdoor air;
- Leaching of contaminants from made ground to groundwater; and
- Transportation of contaminants within groundwater.

In addition, the following exposure pathways have also been considered:

- Ground gas generation and migration; and
- Building materials durability.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL

A preliminary conceptual exposure model has been developed for the site. This is based on the findings of the desk study, historical review and site walk over and includes all potential sources, pathways and receptors that may be present on site. Those that have been identified as being potentially active require further investigation in the form of sampling and testing of soils and groundwater, followed by appropriate risk assessment.

The preliminary conceptual exposure model will be reviewed and refined following the completion of the site works and laboratory testing.

The preliminary conceptual exposure model is presented below in Table 6.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

Table 6: Preliminary Conceptual Exposure Model				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses	Metals, semi-metals, non-metals, PAH, asbestos (particularly arsenic and lead)	Resident – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil and/or soil attached to home-grown produce	✓
			Ingestion of home-grown produce	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Metals, semi-metals, inorganics, PAH (particularly arsenic and lead)	Groundwater quality	Leaching from made ground	✓
	Metals, semi-metals, inorganics, PAH (particularly arsenic and lead)	Surface water quality	Transportation within groundwater	✓
Made Ground of unknown origin and natural ground	pH and water soluble sulphate	Building Materials Durability	Direct contact	✓
Ground Gas – organic, gas producing materials	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	✓

6.0 THE SITE INVESTIGATION

6.1 FIELDWORKS

An intrusive site investigation was designed in accordance with BS 5930:2015+A1:2020, the Code of Practice for Site Investigations, BS10175:2011+A2:2017, the Code of Practice for Investigation of Potentially Contaminated Sites, and 'Development of Land Affected by Contamination: A Guide for Developers' prepared by Welsh Local Government Association (WLGA)/Natural Resources Wales (NRW) Land Contamination Working Group, 2017.

The intrusive site investigation was also designed to provide information to support and refine the preliminary conceptual site model/conceptual exposure model.

An intrusive investigation comprising the excavation of twelve trial pits was undertaken in October 2020. The trial pits were located across the site and excavated to depths of between 1.1m and 2.2m below existing ground level (bgl). The purpose of the trial pits was to provide information on the shallow ground conditions and allow assessment of the most appropriate foundation type for the proposed development as well as to collect soil samples for chemical and geotechnical analysis.

In addition, soil infiltration testing was completed within six selected trial pits in order to inform the infiltration potential of the shallow soils.

Further intrusive site investigation works were undertaken in December 2020 and comprised the drilling of four cable percussion boreholes and four windowless sample boreholes. The purpose of the boreholes was to prove the shallow and deeper ground conditions and correlate the findings of the trial pitting. In situ strength testing (SPT/CPTs) was carried out at 1m depth intervals in the boreholes, where possible.

Shallow ground gas monitoring standpipes were installed within one cable percussion borehole and two windowless sample boreholes to allow ground gas to be monitored.

Representative soil samples were taken from the trial pits and boreholes for laboratory chemical and geotechnical testing and placed in the appropriate sample containers deemed suitable for the analysis required. Strict protocols were adopted during this process to limit the cross contamination of samples.

A programme of gas monitoring was commenced as soon as the site works were complete.

6.1 FIELDWORKS (CONTINUED)

The fieldworks were supervised by a qualified Geotechnical Engineer from Intégral Géotechnique (Wales) Limited who also logged the trial pits and boreholes and prepared their detailed engineering logs in accordance with the requirements of BS 5930:2015+A1:2020. The engineering logs provide descriptions of the materials encountered in accordance with BSEN ISO 14688-1 (2002) and 14689-1 (2003) for soils and rocks respectively.

The approximate locations of the trial pits, cable percussion boreholes and windowless sample boreholes are shown on Figure 2, while their logs are presented in Appendices D, E and F, respectively. The results of the soil infiltration tests are presented in Appendix G.

6.2 FIELD OBSERVATIONS

No visual or olfactory evidence of any contamination was observed during the excavation of the trial pits. However localised areas of made ground were encountered at the site and are further discussed in Section 7.0.

6.3 LABORATORY CHEMICAL TESTING

Representative soil samples were taken from the trial pits and boreholes across the site, stored at the appropriate temperature and dispatched to the laboratories of i2 Analytical for laboratory chemical testing within 24 hours.

The samples were tested for a range of contaminants that reflects the historical use of the site, the findings of the desk study and the preliminary conceptual site model/conceptual exposure model. A list of the soil testing carried out is given below:

Beryllium	Cadmium
Total Chromium	Hexavalent Chromium (VI)
Copper	Lead
Mercury	Nickel
Vanadium	Zinc
Arsenic	Boron
Selenium	Elemental Sulphur
Total Cyanide	Total Sulphate
Sulphide	Water Soluble Sulphate
pH	Monohydric Phenol
Polyaromatic Hydrocarbons (PAH)	Asbestos

6.3 LABORATORY CHEMICAL TESTING (CONTINUED)

The results of the laboratory chemical testing are presented in Appendix H.

6.4 LABORATORY GEOTECHNICAL TESTING

Representative soil samples taken from the trial pits were sent to the laboratories of i2 Analytical for geotechnical testing. The samples were tested for Atterberg Limits, moisture content, pH and water-soluble sulphate.

The geotechnical test results are presented in Appendix I.

6.5 IN-SITU GAS MONITORING

Gas monitoring standpipes were installed in one cable percussion borehole and two windowless sample boreholes and these have been monitored at fortnightly intervals following completion of the fieldworks.

The gas monitoring programme commenced on 16 December 2020.

The concentration levels of methane, carbon dioxide and oxygen were measured in the standpipes during each visit by using a GA5000 Landfill Gas Analyser. In addition, gas flow rate and the atmospheric pressure at the time of the field measurements were also recorded.

Gas monitoring was carried out over a range of atmospheric pressure to include at least one reading in low and/or falling pressure, in accordance with the recommendations made in CIRIA Report C665.

The results of the completed field gas monitoring programme are presented in Appendix J.

7.0 GROUND CONDITIONS

The ground conditions within the site were variable in nature but generally comprised topsoil overlying variable in-situ clays and sands and with most of the trial pits and windowless sample boreholes terminated within what was considered to be weathered sandstone bedrock. However, weathered bedrock was not encountered within the trial pits in the western and north western area of the site and the overlying deposits were found to be loose or soft with groundwater encountered resulting instability within the trial pits (TP1, TP3, TP4 and TP12). Supplementary cable percussion boreholes (BH01 to BH04) undertaken in the western and north western area were undertaken to confirm the ground conditions including the depth to weathered bedrock and is further discussed below.

Areas of made ground or disturbed ground were also encountered within the northwest area of the site and in localised areas within the south (TP2 and TP11).

A summary of the ground conditions encountered across the southern and eastern area of site is presented below in Table 7.

TABLE 7: SUMMARY OF GROUND CONDITIONS (SOUTHERN AND EASTERN AREA OF SITE)		
Depth (m)		Stratum
From	To	
GL	0.10/0.25	TOPSOIL: Grass onto brown organic slightly gravelly slightly sandy silty clay with roots and rootlets
0.10/0.25	0.10/0.80	MADE GROUND: (Loose to medium dense) black grey silty slightly clayey sand and gravel. Gravel is fine to coarse angular to subangular and tabular of siltstone, sandstone and brick with frequent cobbles of sandstone (TP2) or (Loose) grey gravelly sand. Gravel is fine to coarse angular of frequent ash material, brick, sandstone with fragments of metal and plastic. Some brick cobbles. (TP11)
0.10/0.80	0.25/1.10	Soft to firm, firm grey brown or light brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse angular and tabular of sandstone and siltstone
0.25/1.10	1.10/2.00	(Medium dense) brown grey slightly sandy GRAVEL/SAND and GRAVEL. Gravel is fine to coarse tabular of sandstone and siltstone or (Medium dense) light brown slightly clayey silty in areas gravelly SAND
1.10/2.00	>1.10/2.00	Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.

7.0 GROUND CONDITIONS (CONTINUED)

In the northern and western area, trial pits TP1, TP3, TP4 and TP12 encountered variable ground conditions and did not encounter weathered bedrock due to the termination of the excavations following instability within the trial pit which caused the sides to collapse.

Trial pit TP1 encountered topsoil which included fragments of plastic overlying possible made ground to 1.8m depth comprising medium dense grey slightly sandy slightly silty slightly clayey to clayey gravel. Gravel is fine to coarse angular to subangular of siltstone and sandstone. These materials were underlain by a coal seam with bands of brown clay down to 2.0m depth. This is likely to be the Westernmoor seam whose outcrop is conjectured beneath this area of the site. The band of coal is underlain by soft to firm yellow brown silty clay down to a depth of 2.2m.

Trial pit TP3 encountered a thicker layer of topsoil down to 0.5m depth. This was underlain by a variable mixture of loose wet grey brown slightly gravelly silty clayey sand and very soft to soft sandy silty clay down to 2.0m depth. These materials were underlain by soft yellow grey brown very sandy silty clay down to 2.2m depth.

Trial pit TP4 encountered made ground beneath the topsoil to a depth of 0.9m comprising very loose to loose wet black grey slightly clayey to clayey silty sand and gravel. Gravel is fine to coarse angular to subangular of siltstone and sandstone with rare brick and fragments of cloth/textiles. The made ground was underlain by loose to medium dense blue brown grey clayey silty gravelly sand. Gravel is fine to coarse angular of siltstone and sandstone.

Trial pit TP12 encountered possible made ground beneath the topsoil to a depth of 0.8m comprising medium dense grey slightly clayey silty sandy gravel. Gravel is fine to coarse angular to subangular and tabular of sandstone and siltstone. These materials were underlain by a coal seam with bands of brown clay down to 1.1m depth. This is likely to be the thin Mountain seam whose outcrop is conjectured beneath this area of the site. The band of coal was underlain by a variable mixture of loose wet grey brown slightly gravelly silty clayey sand and very soft to soft sandy silty clay down to a depth of 2.2m.

The other trial pits which were excavated across the site remained stable although slight spalling of the sides was noted within trial pits TP5 and TP11.

7.0 GROUND CONDITIONS (CONTINUED)

To confirm the ground conditions in the northern and western area of trial pits TP1, TP3, TP4 and TP12, supplementary cable percussion boreholes were drilled across this area. The boreholes confirmed the ground conditions within the area is variable and typically consisted of a variable sequence of very soft, soft, soft to firm, firm sandy silty clays and very loose to loose clayey silty sands encountered to depths of between 4.1m and 4.8m below existing ground level in boreholes BH01 and BH02 respectively.

Firm cohesive strata was encountered within boreholes BH03 and BH04 at depths of 1.0m and 1.10m below existing ground level respectively. A weathered coal seam was encountered within shell and auger BH04 at a depth of between 0.8m and 1.1m below existing ground level.

Within the cable percussion boreholes sandstone or mudstone bedrock was encountered at depths of between 2.8m and 6.0m below existing ground level. Instability was noted within the boreholes with casing required throughout to bedrock.

7.1 TOPSOIL AND MADE GROUND

A layer of topsoil was encountered across the site. Within trial pits TP1, TP2, TP4, TP11 and TP12 made ground was encountered which comprised possible reworked materials. More variable made ground which contained ashy materials, brick, metal and plastic, particularly within TP11 which was located within the southeast area of the site in close proximity to the former colliery which was located just off site.

7.2 SUPERFICIAL SOILS

The superficial soils were encountered within all the trial pits beneath the topsoil or the made ground. These materials were also variable in nature and comprises clays, sands and gravel in a varying matrix. These materials were also found to become soft/very soft and loose/very loose if groundwater was encountered. Running sand was noted within TP6 below 1.1m depth.

One sample of superficial soil was collected from TP03 (1.2m) in order to undertake plasticity index testing. Results indicate a plasticity index of 20%. Alongside a percentage of 66% passing through the 0.425mm sieve and a modified plasticity index of 13% has been calculated.

In accordance with NHBC chapter 4.2, the materials are classified as low volume change potential soils.

7.3 WEATHERED BEDROCK

All of the trial pits, with the exception of TP1, TP3, TP4 and TP12 and all the cable percussion borehole and windowless sample boreholes were terminated within the suspected weathered bedrock when further excavation or drilling became difficult. Minimal excavation or drilling was possible into the weathered sandstone or locally mudstone, but where limited excavation was possible the excavated materials were described as medium strong weathered brown grey sandstone or weak weathered brown mudstone. Recovered as tabular gravel with some sandy matrix.

7.4 GROUNDWATER

The groundwater conditions are based on observations made at the time of the fieldwork. It should be noted that groundwater levels may vary due to seasonal and other effects.

Trial pit TP3 was found to be wet below 0.5m depth. Multiple inflows were encountered within trial pit TP4 at 0.5m depth. Slight seepages were encountered within trial pit TP5 and TP6 at 1.3m and 1.9m depth respectively. Trial pit TP12 was found to be wet below 1.1m and with groundwater encountered at 1.8m depth.

Groundwater was encountered within borehole BH01 and BH02 at a depth of 2.7m and 3.0m below existing ground level, respectively.

7.5 SOIL INFILTRATION TESTS

Soil infiltration testing was carried out at six locations across the site in trial pits TP01, TP02, TP03, TP05, TP07 and TP08.

The trial pits were rapidly filled with water from a tractor towed agricultural bowser and the water level monitored over a period of time.

None or negligible infiltration was observed at each trial pit location and therefore no infiltration rate could be calculated for any of the tested locations.

It should be noted that this initial testing should only be regarded as indicative. If it should be proposed to use soakaways for this site, then more extensive location and depth specific follow-up tests will be required and should fully comply with BRE 365, in order to confirm the suitability of the site and to satisfy the local authority.

8.0 CONTAMINATION

8.1 AVERAGING AREAS

In order to assess the laboratory test results reliably and in context, the data have been grouped into an averaging area. An averaging area (or area of interest) is that area of soil to which a receptor is exposed or which otherwise contributes to the creation of hazardous conditions. This may be an area of historical industrial usage, a soil type, or a specific proposed end use.

In the case of this analysis, the averaging area has been determined according to the proposed residential end use.

8.2 SOIL CONTAMINATION

The Suitable 4 Use Levels (S4ULs) published by LQM have been adopted as critical concentrations against which soil contaminants concentrations can be compared. In the absence of additional published S4ULs, the Category 4 Screening Levels (C4SLs) derived by DEFRA and Soil Screening Values (SSVs) derived by Atkins ATRISK^{soil} for a commercial end use have been adopted, where considered appropriate.

Since the results of the testing indicate total organic carbon content (TOC) in the range of 0.8% to 3.9%, the results have been compared to the respective guidelines, where applicable, for 1% soil organic matter content.

The soil test results have been summarised and are shown in Appendix H.

8.2.1 Made Ground

The results of the limited laboratory testing indicate that most of the analysed chemical elements or compounds are present at concentrations below the appropriate thresholds for residential end-use with home grown produce. However, the initial screening indicates exceedances of arsenic, lead and mercury within one sample of made ground. Asbestos was not detected within any of the samples tested.

A made ground sample taken from TP11 at 0.5m depth recorded an elevated level for arsenic of 160mg/kg, an elevated level for lead of 420mg/kg and an elevated level for mercury of 1.9mg/kg which are above the suggested trigger concentration levels of 37mg/kg, 200mg/kg and 1.2mg/kg respectively.

8.2 SOIL CONTAMINATION (CONTINUED)

8.2.1 Topsoil

The result of the single laboratory test of a topsoil sample indicate that most of the analysed chemical elements or compounds are present at concentrations below the appropriate thresholds for residential end-use with home grown produce. However, the initial screening indicates an exceedance of arsenic within the tested topsoil sample. Asbestos was not detected with the sample tested.

The topsoil sample taken from TP3 at 0.2m depth recorded an elevated level for arsenic of 87mg/kg which is above the suggested trigger concentration level of 37mg/kg.

It should be noted that the elevated concentration of arsenic within the topsoil is considered to be representative of the background levels of arsenic within the near surface within the Swansea, Neath and Port Talbot area resulted from a windborne deposition of metals, including arsenic in the shallow soils across the region.

8.2.2 In-situ Natural Ground

No visual or olfactory evidence of contamination of the in-situ natural ground was identified during the excavation of the trial pits. At the time of writing this report one sample of natural ground had been tested and all analysed chemical elements or compounds are present at concentrations below the appropriate thresholds for residential end-use with home grown produce. It is considered likely that concentrations of determinands within the natural ground are likely to be naturally occurring and as such, the natural ground poses no significant threat to human health or the environment. However, due to the known potential for naturally elevated levels for arsenic and lead further testing of the topsoil may be required prior to development.

8.3 GROUND GASES

Ground gas was monitored on a fortnightly basis using a GA 5000 Gas Analyser. The results of the completed gas monitoring programme are included in Appendix J. A summary of the results is given in the following Table 8.

8.3 GROUND GASES (CONTINUED)

Table 9: Summary of Ground Gas Results				
Borehole	Maximum Methane Concentration (%)	Maximum Carbon Dioxide Concentration (%)	Minimum Oxygen Concentration (%)	Gas Flow Rate (l/hr)
WS02	<0.5	1.3	19.1	<0.3
WS03	<0.5	2.7	18.1	<0.3
BH03	<0.5	0.4	18.6	<0.3

The results show a maximum methane concentration of <0.5% and a maximum carbon dioxide concentration of 2.7%. A maximum gas flow rate of <0.3l/hr was measured during the gas monitoring programme to date.

In addition to the above, carbon monoxide, hydrogen sulphide and volatile organic compound concentrations are also measured. Results indicate very low volatile organic compounds with a maximum concentration of 5.2ppm and the general absence of hydrogen sulphide and carbon monoxide. An initial carbon monoxide concentration of 22ppm was detected within borehole WS03 during the first round of gas monitoring. However, during the subsequent monitoring visits, concentrations of carbon monoxide remained below the limit of detection of >1ppm.

9.0 REVISED CONCEPTUAL EXPOSURE MODEL

The preliminary conceptual exposure model has been reviewed and revised to reflect the findings of the site investigation and the results of the laboratory testing of soils, soil leachate, groundwater and gas monitoring. Pathways identified as a relevant pollutant linkage require appropriate risk assessment or mitigation measures (see Section 10).

Table 9: Revised Conceptual Exposure Model						
Source		Receptor	Pathway	Preliminary Active Pathway? (see Sect. 5.8)	Relevant Pollutant Linkage	Justification/ Mitigation
Origin	Contaminant					
Made Ground of unknown origin and historical land uses, topsoil	Metals, semi-metals, non-metals, PAH, asbestos	Resident – human health	Dermal Contact with made ground/dust	✓	✓	Elevated concentrations of arsenic, lead and mercury identified within the made ground and elevated concentration of arsenic within the topsoil – risk assess.
			Ingestion of soil and/or soil attached to home-grown produce	✓	✓	
			Ingestion of home-grown produce	✓	✓	
			Inhalation of dust	✓	✓	
			Inhalation of vapours – indoor/outdoor	✓	X	No sufficiently volatile contaminants identified.
	Metals, semi-metals, inorganics, PAH	Groundwater quality	Leaching from made ground	✓	✓	Elevated concentrations of arsenic, lead and mercury identified within the made ground – risk assess.
	Metals, semi-metals, inorganics, PAH	Surface water quality	Transportation within groundwater	✓	✓	

9.0 REVISED CONCEPTUAL EXPOSURE MODEL (CONTINUED)

Source		Receptor	Pathway	Preliminary Active Pathway?	Relevant Pollutant Linkage	Justification/ Mitigation
Origin	Contaminant					
Made Ground of unknown origin and natural ground	pH and water soluble sulphate	Building Materials Durability	Direct contact	✓	✓	Building materials will be in contact with made ground and natural ground – risk assess
Ground Gas – organic, gas producing materials	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	✓	✓	Significant potential gas producing materials not present on site. Potential off-site sources. Gas monitoring programme completed – risk assess

10.0 RISK ASSESSMENT

10.1 METHODOLOGY

The risk of pollution, health effects or environmental harm occurring as a result of ground contamination is dependent upon three principal factors:

- The scale of the contamination sources;
- The presence of sensitive “receptors”, e.g. Humans: health of the general public, site occupiers, redevelopment workers. Environment: flora, fauna, etc.;
- The existence of migration pathways by which contaminants can reach the sensitive receptors.

This section assesses each of these factors in order to evaluate the overall level of risk and potential harm to receptors. The receptor may be human, a water resource, an eco-system or construction materials. Pathways connecting a perceived hazard to a receptor are referred to as exposure pathways.

The sources of contamination and the links connecting the hazards to the sensitive receptors will represent the basis for the risk assessment.

10.2 SOURCE-PATHWAY-RECEPTOR MODEL

The preliminary conceptual site model was based on the findings of the desk study. This was later reviewed and refined according to the findings of the site investigation, allowing for the ground conditions encountered and the results of laboratory testing of soil. Any pathways considered to be inactive were removed from the model and all remaining potentially active pathways require risk assessment.

The pathways shown as potentially active in the Revised Conceptual Site Model in Section 9.0 above have been assessed below.

10.3 HUMAN HEALTH RISK ASSESSMENT

10.3.1 *Site in its Present Condition*

The site does not pose any risks to casual visitors or trespassers. The site is grass covered and undeveloped.

10.3 HUMAN HEALTH RISK ASSESSMENT (CONTINUED)

10.3.2 Future Site Users

The limited contamination test results and site investigation observations show elevated concentration levels of arsenic, lead and mercury within a sample of made ground and an elevated concentration of arsenic within a sample of topsoil. Asbestos was not identified within the screened samples.

Given the elevated concentrations within the general made ground encountered within areas of the site, it is considered that a potential risk to human health may exist via the following relevant pollutant linkages:

- Dermal contact,
- Ingestion of soil or soil derived dust,
- Ingestion of soil attached to homegrown produce,
- Ingestion of homegrown produce, and
- Inhalation of soil bourn dust.

The inhalation of vapours pathways (indoor and outdoor air) is not considered to be active since the contaminants of concern identified are not sufficiently volatile.

It is considered necessary to protect end users from the elevated concentrations identified in the made ground. It is considered necessary to break the above listed relevant pollutant linkages in order to remove the potential risk.

The proposed residential development will either comprise the proposed buildings, hard standing in areas of roads/car parking; or will be soft landscaped or residential gardens. Where buildings or hard finish is proposed the aforementioned listed relevant pollutant linkages would be broken, removing the potential risk to future end users.

In soft finished areas, where made ground has been encountered, as indicated on Figure 4, it is recommended that a capping layer, of a minimum thickness of 600mm, of clean imported subsoil and topsoil is placed over an anti mix geotextile in private gardens and areas of soft landscaping. This would break all the above listed relevant pollutant linkages and removing the potential risk to future end users.

10.3 HUMAN HEALTH RISK ASSESSMENT (CONTINUED)

Alternatively, in shallow areas of made ground, if it is removed from the gardens and soft landscaped areas to expose in situ undisturbed natural soils or where made ground has not been encountered, only 150mm of clean inert soils need to be placed. In the instance where the made ground is removed, the exposed in situ natural soil should be inspected and sampled/tested to demonstrate that no residual contamination remains.

Validation/certification of the capping material (topsoil and subsoil) will be required in accordance with NHBC and local authority guidance, should soft landscaping or garden areas be constructed.

An elevated concentration of arsenic was detected within the topsoil. The elevated concentration of arsenic is considered to be representative of the background levels in the region and it is recommended that additional topsoil samples are obtained and tested for arsenic together with bio accessibility testing and a further risk assessment is undertaken to establish the most appropriate re-use of these materials.

10.3.3 Construction Workers

With future site development works involving the excavation and removal of the made ground, there would be a risk to workers from contaminants in the soils. Appropriate measures are therefore recommended for works involving the made ground materials which are known to be present beneath the site.

All excavations should be regularly checked for safe atmospheres.

Normal good hygiene practices should be adequate to protect the health and safety of redevelopment workers, and should include:

- Minimum handling of materials;
- Washing of hands prior to all meal breaks, which should be taken in a designated clean area;
- The use of standard protective clothing such as boots and overalls and gloves, where considered relevant.

In dry weather, inhalation of dust and gases should be avoided preferably by the use of dust suppression techniques to minimise fugitive emissions and minimisation of exposed materials at any particular time.

10.3 HUMAN HEALTH RISK ASSESSMENT (CONTINUED)

Additionally, a system should be established by which any 'unusual' materials that may be encountered are reported rapidly to the site management, so that the appropriate action may be taken, following specialist advice if necessary. An unusual material may be identified on site by colour, odour or physical nature.

Reference should be made to the Health and Safety Executive document "Protection of Workers and the General Public during the development of contaminated land" for detailed guidance on these matters.

10.4 RISKS TO VEGETATION

The concentrations identified in the shallow made ground materials, do not indicate the potential for significant adverse effects to vegetation. However, the physical nature of the existing made ground does not provide the best growing medium for vegetation. It is also important to break the pollutant linkage from a human health perspective. To break the pollutant linkage, to ensure viable soft landscape areas by preventing upward migration of contaminants into the overlying soils, and in order to promote plant growth, all private garden or landscaped area will require the provision of a minimum 600mm thick capping layer of clean, inert subsoil and topsoil materials placed over an anti mix geotextile.

Should made ground be absent or removed, a minimum 150mm thick layer of clean inert topsoil should be placed.

The re-use of site won topsoil should be reviewed upon completion of the further contamination testing recommended in Section 10.3.2.

10.5 GROUNDWATER RISK ASSESSMENT

Apart from marginal exceedances of arsenic, lead and mercury in a sample of the made ground and an exceedance of arsenic within the topsoil, no significant contamination has been identified on site. However, the elevated concentrations identified indicate the potential for leachable concentrations to be generated as water infiltrates the made ground.

Infiltration and subsequent leachate generation will be limited by the cohesive nature of made ground (often comprising re-worked natural soils) and the underlying natural in situ soils which had a high clay content.

10.5 GROUNDWATER RISK ASSESSMENT (CONTINUED)

Significant areas of the development will either be below the footprint of houses/garages, below car parking/road hardstanding or in soft landscaped areas/gardens which are to be capped with clean inert soils.

Therefore, if the made ground is below the hardstanding or car parking areas or is below a 600mm thickness of clean garden capping; there is a very limited potential for the generation of made ground sourced leachate which would potentially impact on controlled waters.

Significant groundwater inflows were not encountered within the majority of the trial pits and the cohesive in situ natural soils have a low permeability and low infiltration potential, therefore the risks to groundwater water is considered to be low.

10.6 GROUND GAS RISK ASSESSMENT

The results of the gas monitoring programme indicated a maximum methane concentration of <0.5% and a maximum carbon dioxide concentration of 2.7%. A maximum gas flow rate of <0.3l/hr was measured during the gas monitoring programme.

In accordance with CIRIA Report C665 a Gas Screening Value (GSV) of <0.0081l/hr has been calculated.

This GSV corresponds to gas characteristic situation 1 and NHBC classification green which does not require any special gas protective measures.

Reference should also be made to BS8485:2015 +A1:2019. In accordance with BS8485:2015 +A1:2019, and based on the results of the gas monitoring with the site being classified as characteristic situation 1 (CS1), for development Type A (private), the minimum gas protection score required is zero, and therefore no specific gas protection measures are required in regards to methane and carbon dioxide.

During the initial monitoring round an elevated concentration of carbon monoxide was encountered within borehole WS03 and recorded at a concentration of 20ppm. Within monitoring location WS02 and BH03, the concentration of carbon monoxide was below the limit of detection of <1ppm. During the subsequent monitoring visits, the concentration of carbon monoxide in each monitoring well, including within WS03, was below the limit of detection of 1ppm.

10.6 GROUND GAS RISK ASSESSMENT (CONTINUED)

It is considered that the initial concentration of carbon monoxide does not represent the typical concentrations of carbon monoxide at the site and the initial concentration was likely caused by disturbance due to the drilling and installation of the well. It is therefore considered that there is a low risk of carbon monoxide gas at the site.

As stated in Section 4.3, the site is within an intermediate radon probability area and that therefore basic radon protective measures would be necessary in the construction of new buildings within the site. It should be noted that this classification is based on the worst case for the site. The BGS Report indicates that the eastern half of the site actually falls within a lower probability area, as less than 1% of properties are above action level, and that therefore no radon protective measures would be necessary in the construction of buildings within this part of the site. Prior to development when the layout is finalised it may be possible to zone the site.

10.7 RISKS TO BUILDINGS AND MATERIALS DURABILITY

10.7.1 Concrete Classification

A summary of the laboratory chemical test results for the chemicals water soluble sulphate and pH, which may adversely affect the durability of building materials is presented in Appendices F and G.

Evidence to date does not indicate any specifically aggressive conditions, but it would be reasonable to expect a degree of sulphate and acidic aggressiveness from the made ground and natural ground.

Made Ground

In accordance with BRE Digest SD1:2005 and adopting the assessment procedure specified therein for brownfield sites, the laboratory chemical test results indicate a characteristic value (taking the highest of the test results) for water soluble sulphate within the made ground of 10mg/l.

Using Table C2 of BRE Digest SD1:2005, this characteristic value corresponds to Design Sulphate Class DS-1.

The groundwater regime of the site has been assessed as 'mobile' and a characteristic pH value within the made ground of 6.6 has been determined (adopting the lowest of the test results). The Design Sulphate Class has been modified to give a site ACEC class of AC-1 for concrete structures constructed within the made ground.

10.7 RISKS TO BUILDINGS AND MATERIALS DURABILITY (CONTINUED)

Natural Ground

In accordance with BRE Digest SD1:2005 and adopting the assessment procedure specified therein for brownfield sites, the laboratory chemical test results indicate a characteristic value (taking the highest of the test results) for water soluble sulphate within the natural ground of 7.6mg/l.

Using Table C2 of BRE Digest SD1:2005, this characteristic value corresponds to Design Sulphate Class DS-1.

The groundwater regime of the site has been assessed as 'mobile' and a characteristic pH value within the natural ground of 5.9 has been determined (adopting the lowest of the test results). The Design Sulphate Class has been modified to give a site ACEC class of AC-1 for concrete structures constructed within the natural ground.

10.7.2 Water Services

Water supply pipes will need to be protected from any contamination present within the ground. In particular, the presence of organic contaminants (such as PAH and TPH) should be addressed when selecting pipe materials. Measures to protect the pipes will include clean backfill to trenches and possibly alternative material selection. Reference should be made to UKWIR Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites, document No. 10/WM/03/21. The final design and selection of the pipe and associated backfill should be agreed with the appropriate Regulator prior to installation.

In order to comply with the UKWIR guidance, specific sampling and testing along the actual line of the proposed water supply route may need to be carried out once this has been established.

10.8 WASTE DISPOSAL

Excavated materials generated by the development may be considered as waste and subject to waste controls. Any re-use of excavated materials on-site should be undertaken in accordance with current waste and environmental legislation and which may require the production of an approved Materials Management Plan (MMP) prepared in accordance with the CL:AIRE Code of Practice.

It is recommended that a sustainable development strategy is adopted which reduces to a practicable minimum the generation of waste materials and the need for disposal to a licensed tip. Emphasis should be on recovery and re-use rather than disposal.

10.8 WASTE DISPOSAL (CONTINUED)

However, any waste or surplus materials that are generated will need to be classified in accordance with current EC regulations and Natural Resources Wales guidance prior to disposal. It is the responsibility of the waste producer to classify the waste.

Based on the data obtained from the site investigation works, any waste materials comprising of the existing made ground are likely to be classified as non-hazardous waste. The existing natural ground are likely to be classified as non-hazardous waste.

Any asbestos containing materials (ACMs) will be classified as hazardous waste.

This classification is provisional and indicative of the likely waste classification based on the data obtained to date (including chemical composition, moisture content, etc.). It also assumes that the materials tested will be representative of future generated waste.

In order to minimise disposal, the materials generated should be segregated and examined, with appropriate testing as necessary, to enable the materials to be sorted or treated into lower classifications, with the resultant benefit of potentially generating re-use rather than disposal.

Once final waste sources and volumes are known, the waste stockpile to be disposed off-site will need to be classified in accordance with Environment Agency/Natural Resources Wales Waste Classification – Guidance on the Classification and Assessment of Waste Technical Guidance WM3 (2015). This is likely to require additional sampling and testing of the generated waste materials to provide an up to date current basis for classification.

Depending on the waste classification, waste acceptance criteria (WAC) testing may be required, in order to determine which class of landfill site the waste can be sent to.

It is recommended that the results of the waste classification and any WAC test results are sent to the intended licensed waste operator prior to disposal in order to confirm their classification and acceptance.

10.9 UNCERTAINTIES

It is important to recognise that there may be areas of contamination within the site that have not been found or that contaminants may be present at concentrations above those that have been found. It is also important to recognise that contamination may be localised and that no investigation, however comprehensive, is capable of finding such occurrences, other than by chance.

The near-surface drainage patterns and service ducting have not been fully established.

11.0 ENGINEERING CONSIDERATIONS AND RECOMMENDATIONS

11.1 DETAILS OF PROPOSED DEVELOPMENT

The proposed development will comprise the construction of 52 No. properties of varying sizes and style as presented on Site Layout Ref. 2330-00(02)100 produced by Spring Design. The development will include associated infrastructure including access roads, car parking areas and private driveways. The development will also include areas of landscaping and private gardens.

11.2 GEOTECHNICAL CONSTRAINTS AND CONSIDERATIONS

The key considerations for foundation design will be

- The topography of the site
- Variable nature of the deposits across the site
- Shallow groundwater and resultant instability issues of excavations within the western, northern and north western area of the site.

11.3 SITE PREPARATION

The development site sits within a historical mining area and therefore there is a residual risk of unrecorded mine entries to be present on site, although the risk is considered to be low. All site operatives should be made aware of this potential risk and a watching brief should be maintained during site works.

Prior to works commencing on site, any services within the site should be identified and either relocated or protected. All existing underground services, including drainage runs and manholes, should be removed or protected and/or diverted from beneath the development area. Any diversion works should be carried out under the supervision of, and to the specification of, the appropriate statutory authorities. Any resulting excavations should be backfilled with suitable fill material.

The topsoil should be removed from beneath the proposed buildings and access roads. These excavated materials will be unacceptable as structural fill and should be used in landscaped areas and gardens, subject to the recommended further testing as stated within Section 10.3.

Exposed formations should be protected from site traffic and inclement weather in order to preserve their integrity. Any soft spots/areas should be removed and replaced with well compacted site won or imported granular fill material.

11.3 SITE PREPARATION (CONTINUED)

A system should be established by which any 'unusual' materials that may be encountered are reported rapidly to the site management so that appropriate action can be taken following specialist advice if necessary. Any unusual material may be identified on site by colour, odour or physical nature.

The site generally slopes towards the centre of the site and therefore some degree of cut and fill earthworks will likely be required in order to create development plateaux.

If any fill is to be placed onto an existing sloping area, then original ground should be adequately cut and benched, in order to prevent the possibility of slippage at the interface between the new fill and the original ground. All works should be carried out in accordance with the Department of Transport (DTp) Specification for Highway Works.

Any cut and/or fill slopes should be no steeper than 1v in 2h. Cut off drains should be provided at the top and French drains at the bottom of any cut and/or fill slopes. In areas of cut and/or fill, the slopes should be topsoiled and seeded with grass, in order to minimise any future maintenance problems caused by surface water run-offs.

Prior to commencing earthworks filling operations the exposed reduced formations should be proof rolled, soft spots removed and replaced with structural fill placed in accordance with the Department of Transport Specification for Highways Works.

The majority of the existing in situ soils are considered to be suitable for re-use as structural fill, subject to appropriate handling and weathering protection. The water content of materials will be critical for the successful placement of the re-engineered fill. Stockpiles of selected material should be sealed and reduced level formations protected from weathering. Any shortfall in fill quantities should be made up with clean, inert imported granular materials in accordance with an agreed specification. All fill materials should be placed and well compacted in layers, in accordance with DTp Specification for Highway Works.

During the earthworks operations to achieve a developed plateau, allowances should be made for potentially encountering shallow bedrock, particularly in the southern and eastern area of the site, where bedrock is at its shallowest depth.

During site operations within the north, north western area of the site, cutting into the existing heavily vegetated sloping ground should be avoided. If any cutting is undertaken into the slope a stability assessment should be undertaken.

11.3 SITE PREPARATION (CONTINUED)

Some surface water management will be required in order to ensure the protection of the earthworks and materials. Surface water protective measures should be also be implement to prevent surface run off leaving the site.

The site will likely require a land drainage system to ensure that groundwater and surface water is managed. The land drains should be designed to take water away from the proposed properties. A discharge point should be provided. All drains should comprise free draining stone wrapped in a suitably designed geotextile separation membrane.

The drainage will enhance the available shear strength of the ground and reduce the potential for adverse water pressures affecting stability.

The boundaries of the site are lined with mature trees and hedgerows along with mature trees sporadically located within the site. Allowances should therefore be made for the removal of any associated roots that may become exposed in any proposed nearby earthworks and foundation excavations. Any such works should be conducted in accordance with the code of practice recommended by the National House Building Council (NHBC). All protection orders relating to existing vegetation/ecology should be adhered to during the development of the site.

11.4 FOUNDATIONS AND FLOOR SLABS

On the basis of the findings of the intrusive site investigation, the site can be divided into two separate areas in regard to foundation recommendations. The locations of the two foundation zones are indicated on Figure 2. It should also be noted that the following foundations recommendations will require review once the final development layout and site engineering levels have been confirmed.

11.4.1 Area 1 – Southern and Eastern Area

It is considered that, within the southern and eastern area of the site as indicated on Figure 2, the proposed development could be founded on concrete strip/trench fill foundations, founded within either the medium dense slightly clayey slightly silty sand to sand and gravel encountered at depths of between 0.80m and 1.10m below existing ground level or the weathered sandstone bedrock, encountered at depths of between 1.1m and 2.0m below the existing ground level.

Foundation depths should be a minimum of 900mm below existing or proposed ground level, whichever is lower. Foundations should penetrate the founding strata by a minimum of 200mm.

11.4 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

At the above depths an allowable bearing pressure of 100kN/m² could be used for design purposes. At this intensity of loading, the total settlements should not exceed 25mm, and any angular distortions caused by differential movements should be less than 1:750.

Foundations should not be founded within any made ground, distributed ground, fill materials or within any soft or loose natural soils. If encountered, foundations should be locally deepened into the strata described above.

All strip/trench fill foundations for individual buildings should be constructed within uniform strata in order to minimise the potential for differential settlement. There should be no spanning of foundations between soils of differential strengths. If there are significant changes in bearing strata beneath the foundations, then footings should include suitably designed mesh reinforcement, both top and bottom, to mitigate risks of relative differential settlement.

Laboratory Atterberg Limits have been determined for a sample taken from the in-situ soils. The results show the in-situ clay strata have a low shrinkage potential.

The weathered sandstone bedrock is considered to be non-shrinkable and the footings within this stratum need not be deepened for tree influence.

Allowances should be made for over break in the sides of the excavations and for their possible backfilling either with granular materials or mass concrete.

Given the cohesive nature of the near surface deposits, suspended floor slabs are recommended.

It is recommended that a careful inspection is made of the foundation and floor slab formations. Any encountered soft materials should be excavated and removed and replaced with suitable well compacted materials.

As a result of cut and fill earthworks, in areas of fill where the depth to a suitable founding stratum is prohibitively deep for the use of strip/trench fill foundations, consideration should be given to the use of raft type foundations constructed on suitable engineered fill as detailed below.

11.4 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

11.4.2 Area 2 – Western, Northern and North Western Area

Due to the variable loose/soft nature of the in-situ deposits, including lateral and vertical variations, shallow groundwater and instability of trial pit sides encountered in the northern, western and north western area of the site, shallow traditional strip/trench fill foundations are not deemed suitable.

Within the northern, western and north western area of the site, the following foundation types may be deemed suitable:

- Raft type foundations
- Vibro stone columns
- Shallow piled foundations

Raft Foundations

A lightly loaded raft foundation may be deemed suitable for the proposed development in the western, northern and north western area of the site.

Following site strip and proof rolling of formations and depending on final ground level, it is considered that the proposed development could be founded on a suitably prepared engineered fill or existing in-situ soils.

To minimise the potential for differential movements, it is recommended that beneath the raft foundations there should be a suitably thick layer of well compacted structural fill throughout the plan of the building and 2m outside the footprint of the proposed buildings.

Made ground should be excavated to a depth of 2m below underside of the raft foundation or at the interface with competent undisturbed strata if this is shallowed. The resulting reduced formation should be proof rolled, soft spots removed and replaced with structural fill. The excavated soils should have deleterious and oversized materials removed. The removing spoil should be conditioned / processed for optimum compaction and replaced in compacted layers in accordance Department of Transport Specification for Highways Works. Laboratory compaction testing should be used to inform the compaction process. Upon completion of the earthworks, plate load testing should be undertaken in order to confirm the allowable bearing pressure for raft foundation.

11.4 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

Directly under the raft foundation Department of Transport Type 1 Sub-base, or similar approved, could be used and should be compacted in layers in accordance with current DTp Specification for Highway Works. This layer would be used to prevent weathering of the underlying structural fill.

Subject to the results of confirmatory plate load testing on prepared formations, the proposed rafts should be designed to an allowable maximum bearing pressure of 50kN/m^2 with an average pressure of less than 30kN/m^2 . At this intensity of loading the total settlements should not exceed 30mm and any angular distortions caused by differential movements should be less than 1:750. Rafts should be designed to span a 1.0m soft spots and 1.0m cantilever at build corner.

All foundations should be designed for low shrinkage tree influence criteria in accordance with NHBC guidelines.

All formations should be proof rolled with any soft spots and/or obstructions that could form hard spots removed.

Vibro – Stone Columns

It is also considered that the proposed buildings could be founded using reinforced strip/trench fill foundations bearing onto improved ground using vibro-stone columns, subject to controlling groundwater inflows into excavations.

Ground improvement using vibro-stone columns would involve the construction of closely spaced stone columns beneath the proposed buildings. The aim is to ensure 'stiffening' of the ground, thereby spreading and dissipating the new development loads in order to minimise total and differential settlement within the underlying soils.

The advice of a specialist vibro-compaction contractor should be sought in order to fully explore the precise bearing capacities which can reasonably be achieved. It should be noted that vibro contractors generally won't treat areas of recently placed cohesive fill material, so an idea of cut and fill is advised prior to seeking the advice of a specialist.

Based on the encountered ground conditions (i.e. the presence of loose/soft, collapsible soils and a shallow groundwater table) it is recommended that 'bottom feed' vibro techniques are used.

Allowances should be made by the vibro contractor for carrying out suitable in-situ strength testing of the prepared formations.

11.4 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

Upon completion of the vibro-stone columns, buildings may be founded on reinforced strip/trench fill foundations designed in line with the design requirements of the specialist vibro contractor. Allowances should be made for shallow groundwater inflows and potential excavation instability.

Foundations should penetrate the founding strata by a minimum 200mm and be at a minimum depth of 900mm below development level in order to protect against the effects of frost heave and/or thermal shrinkage.

Footings should be deepened in accordance with NHBC guidance for foundations constructed within low volume change potential soils adjacent to mature trees and hedgerows.

Suspended floor slabs are recommend.

Piled Foundations

Alternatively, the use of shallow piled foundations socketed within the underlying sandstone or mudstone bedrock is also deemed appropriate at this stage.

A driven pile system may be feasible subject to detailed consideration to vibration. Piled foundation should be driven to an appropriate set within the underlying sandstone or mudstone bedrock encountered at depths of between 2.8m and 6.0m below existing ground level.

Considerations should be given to the proximity of the site to neighbouring buildings and the use of alternative piling technique such as bored piles, displacement piles or Continuous Flight Auger (CFA) piles.

It is recommended that the advice of a specialist piling contractor is sought in order to confirm the most appropriate piling technique and for the detailed pile design.

Floor slabs should be design and constructed as suspended.

11.4.3 General

For either foundation choice across the site, it is recommended that the proposed buildings should not be constructed within 3m, of the slope crests located along the north eastern site boundary. If buildings are constructed within 3m of the slope crest it is recommended that foundations are deepened in order that the zone of influence does not pass through the slope face.

11.4 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

Based on the results of the completed gas monitoring programme gas protective measures are not required.

As stated in Section 4.3, the site is within an intermediate radon probability area and that therefore basic radon protective measures would be necessary in the construction of new buildings within the site. It should be noted that this classification is based on the worst case for the site. The BGS Report indicates that the eastern half of the site actually falls within a lower probability area, as less than 1% of properties are above action level, and that therefore no radon protective measures would be necessary in the construction of buildings within this part of the site. Prior to development when the layout is finalised it may be possible to zone the site.

11.5 EXCAVATIONS AND FORMATIONS

On the basis of the trial pitting findings, excavations deeper than typically 1.0m to 2.0m will encounter hard dig conditions. More powerful excavating machinery and/or breaking equipment may be required to excavate into the bedrock in some areas.

From the site investigation findings, the excavations, particularly within the western and northern area are likely to encounter groundwater inflows. Any groundwater inflows/seepages are likely to be slight and these together with any rainfall infiltrations should be dealt with by conventional pumping techniques.

The sides of excavations deeper than 1.0m should be supported by trench boxes or temporarily battered at gradients of typically 30°.

The exposed formations within the in-situ materials will be extremely susceptible to damage, softening and deterioration by wet weather and site traffic.

They should therefore be protected by blinding concrete or a 100mm thick layer of hardcore immediately after exposure.

11.6 ACCESS ROADS AND CAR PARKING AREAS

There are likely to be variations in the strength of the materials at the access road formation levels and therefore a California Bearing Ratio (CBR) value of between 2% and 4% can then be used for designed purposes within the in-situ natural strata.

After proof rolling, the pavement formations, any 'soft spots/areas' should be removed and replaced with well-compacted imported granular materials. Department of Transport (DTp) Type 1 Sub-Base, or similar approved, could be used and should be compacted in layers in accordance with the current DTp Specification for Highway Works.

All deposits should be considered frost susceptible.

It should be noted that the Local Highway Authority may insist that field CBR tests should be carried out to confirm the above recommendations. Allowances should therefore be made for carrying out such tests and any further works which the local authority may require as a result of these tests.

11.7 DRAINAGE

Soil infiltration testing was carried out at six locations across the site in trial pits TP01, TP02, TP03, TP05, TP07 and TP08.

None or negligible infiltration was observed at each trial pit location and therefore no infiltration rate could be calculated for any of the tested locations.

It should be noted that this initial testing should only be regarded as indicative. If it should be proposed to use soakaways for this site, then more extensive location and depth specific follow-up tests will be required and should fully comply with BRE 365, in order to confirm the suitability of the site and to satisfy the local authority.

11.8 RECOMMENDED FURTHER WORKS

It is recommended that the topsoil is further sampled and tested for arsenic, including bio accessibility testing to further assess the contamination identified and to determine the most appropriate re-use of those soils.

It is also recommended that the made ground encountered on site is further delineated during site clearance, and additional sampling and testing should be undertaken for a range of contaminants, including asbestos.

APPENDIX A

ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

268406405_1_1

Customer Reference:

12722/LP

National Grid Reference:

275020, 196120

Slice:

A

Site Area (Ha):

2.09

Search Buffer (m):

1000

Site Details:

Eaglebush

Neath

SA11 2AF

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		4		28
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 9				4
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 10				1
Local Authority Pollution Prevention and Controls	pg 10			1	9
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11	Yes			
Pollution Incidents to Controlled Waters	pg 12		2		19
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 15				7
River Quality	pg 16				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 16				1
Water Abstractions	pg 17				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 18	2	15	22	147

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 39			2	1
Local Authority Landfill Coverage	pg 39	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 39		4	3	10
Potentially Infilled Land (Water)	pg 40			2	20
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 42				2
Registered Waste Treatment or Disposal Sites	pg 43			1	1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 44				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 44				1
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 45	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 45	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 52		3	5	15
BGS Urban Soil Chemistry	pg 56		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 58	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 59	Yes	n/a	n/a	n/a
Mining Instability	pg 59	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 59	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 59		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 59	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 59		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 60	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 60	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 60	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 61		1	6	74
Fuel Station Entries	pg 67			1	2
Points of Interest - Commercial Services	pg 68			5	17
Points of Interest - Education and Health	pg 70				1
Points of Interest - Manufacturing and Production	pg 70			6	23
Points of Interest - Public Infrastructure	pg 72		5	6	15
Points of Interest - Recreational and Environmental	pg 74		1	3	10
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 76	1	9	2	5
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 77	1			
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	0	1	275000 196117
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (E)	0	1	275024 196117
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	32	1	275100 196200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	65	1	275200 196117
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	82	1	275200 196150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	126	1	275250 196050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	146	1	274800 196200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	183	1	275050 196400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	194	1	274900 196350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	233	1	275024 196450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	238	1	275350 196000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	278	1	274900 196450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	306	1	275400 195950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (NW)	347	1	274850 196500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	368	1	274550 196117
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	417	1	275500 195900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	461	1	275550 196300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	479	1	274500 196350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	489	1	275600 196250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: M Davies Property Type: Domestic Property (Single) Location: The Grove Eaglesbush Neath Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: BP0045101 Permit Version: 2 Effective Date: 19th September 1995 Issued Date: 18th September 1995 Revocation Date: Not Supplied Discharge Type: Not Supplied Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Stram At Eaglebush, Ne Status: Effective Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	17	2	275100 196150
1	Discharge Consents Operator: Mr M Davies Property Type: Domestic Property (Single) Location: The Grove Eaglesbush Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0045101 Permit Version: 1 Effective Date: 30th April 1987 Issued Date: 30th April 1987 Revocation Date: 18th September 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Stram At Eaglebush, Ne Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	17	2	275100 196150
2	Discharge Consents Operator: Mr P E Woodhouse Property Type: Domestic Property (Single) Location: 3 Eaglesbush Cottage Gardners Lane, Gardners Lane Neath* Authority: Natural Resources Wales Catchment Area: River Neath Reference: BM0049001 Permit Version: 1 Effective Date: 15th August 1985 Issued Date: 15th August 1985 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Into Land Environment: Receiving Water: To Land Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	43	2	274900 196050
3	Discharge Consents Operator: Mr P Williams Property Type: Undefined Or Other Location: Eaglesbush Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bb4003001 Permit Version: 1 Effective Date: 2nd April 1973 Issued Date: 2nd April 1973 Revocation Date: 13th November 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Trib Of Crythan Brook Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	98	2	274950 195940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Carnaud Metal Box Plc Property Type: Undefined Or Other Location: Factory At Canal Side (Cooling Wate, (Cooling Water) Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: BM0000703 Permit Version: 1 Effective Date: 1st June 1979 Issued Date: 1st June 1979 Revocation Date: 24th June 2005 Discharge Type: Trade Discharges - Cooling Water Discharge: Not Supplied Environment: Receiving Water: Japan Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	501	2	274500 196400
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: St Joseph'S Church Cso, Nr St Josephs Church, Cook Rees Avenue, Neath, Sa11 1un Authority: Natural Resources Wales Catchment Area: NEATH ESTUARY Reference: Bw2903601 Permit Version: 3 Effective Date: 24th September 2019 Issued Date: 24th September 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Eastland Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	575	2	275522 196547
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso 32 Nr St Josesephs Church, Cook Rees Avenue, Neath Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bw2903601 Permit Version: 2 Effective Date: 6th March 2003 Issued Date: 5th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Eastland Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	575	2	275522 196547
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso 32 Nr St Josesephs Church, Cook Rees Avenue, Neath Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bw2903601 Permit Version: 2 Effective Date: 6th March 2003 Issued Date: 5th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Eastland Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	575	2	275522 196547

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Nr St Joseph Church - Neat Authority: Natural Resources Wales Catchment Area: River Neath Reference: BW2903601 Permit Version: 1 Effective Date: 6th March 1967 Issued Date: 6th March 1967 Revocation Date: 5th March 2003 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Eastland Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	586	2	275540 196540
6	Discharge Consents Operator: Welsh Development Agency Property Type: Undefined Or Other Location: Milland Rd Est Milland Road Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0036001 Permit Version: 1 Effective Date: 16th March 1987 Issued Date: 16th March 1987 Revocation Date: 10th October 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Cryddan Brook Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	638	2	274600 196700
7	Discharge Consents Operator: Carnaud Metal Box Plc Property Type: Undefined Or Other Location: Boiler House (Cooling Water) Factor, Factory Site Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bm0000702 Permit Version: 1 Effective Date: 1st June 1979 Issued Date: 1st June 1979 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Japan Brook Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	638	2	274400 196500
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Penrhiwtyn Ps Eo Neath Npt, Penrhiwtyn, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bo5110401 Permit Version: 2 Effective Date: 1st April 2006 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Canal Environment: Receiving Water: Neath Canal Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A12SW (W)	719	2	274200 196100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Penrhiwtyn Ps Eo Neath Npt, Penrhiwtyn, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bo5110401 Permit Version: 2 Effective Date: 1st April 2006 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Canal Environment: Receiving Water: Neath Canal Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A12SW (W)	719	2	274200 196100
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Penrhiwtyn Ps Eo Neath Npt, Penrhiwtyn, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bo5110401 Permit Version: 2 Effective Date: 1st April 2006 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Canal Environment: Receiving Water: Neath Canal Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A12SW (W)	719	2	274200 196100
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Penrhiwtyn Ps Eo Neath Npt, Penrhiwtyn, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bo5110401 Permit Version: 2 Effective Date: 1st April 2006 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Canal Environment: Receiving Water: Neath Canal Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A12SW (W)	719	2	274200 196100
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Penrhiwtyn Ps Eo Neath Npt, Penrhiwtyn, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Given Reference: BO5110401 Permit Version: 1 Effective Date: 19th October 1989 Issued Date: 19th October 1989 Revocation Date: 23rd March 2005 Discharge Type: Unspecified Discharge Not Supplied Environment: Receiving Water: Neath Canal Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	719	2	274200 196100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Bennett I J Property Type: Undefined Or Other Location: Cimla 5 Noddfa Cottage Western Moor, 5 Noddfa Cottage Western Moor Ne, Western Moor Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0018001 Permit Version: 1 Effective Date: 11th June 1986 Issued Date: 11th June 1986 Revocation Date: 11th July 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14SE (E)	766	2	275900 196100
10	Discharge Consents Operator: Carnaud Metal Box Plc Property Type: Trade (Unknown/Other) Location: Advance Factory Site Dafen Llanelli, Dafen, Carmarthenshire Authority: Natural Resources Wales Catchment Area: River Neath Reference: BM0000701 Permit Version: 1 Effective Date: 1st June 1979 Issued Date: 1st June 1979 Revocation Date: 30th May 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Not Supplied Environment: Receiving Water: Japan Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	777	2	274300 196600
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Melincryddan Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0064306 Permit Version: 3 Effective Date: 29th March 1996 Issued Date: 28th March 1996 Revocation Date: 31st December 1997 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Estuarial Waters Of River Neat Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	830	2	274450 196830
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Melincryddan Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0064306 Permit Version: 2 Effective Date: 28th November 1992 Issued Date: 28th August 1992 Revocation Date: 28th March 1996 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Estuarial Waters Of River Neat Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	830	2	274450 196830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Melincryddan Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0064306 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 27th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Estuarial Waters Of River Neat Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	830	2	274450 196830
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Melincryddan West Authority: Natural Resources Wales Catchment Area: River Neath Reference: BB4000505 Permit Version: 2 Effective Date: 28th March 1994 Issued Date: 28th March 1994 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Neath Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	840	2	274420 196820
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Melincryddan West Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bb4000505 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 27th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Neath Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	840	2	274420 196820
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Melincryddan Ps Milland Road Ind Es, Milland Road Ind Est Neath Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: BP0255901 Permit Version: 1 Effective Date: 31st December 1997 Issued Date: 19th September 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters River Neath Status: Effective Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	844	2	274440 196840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Melincryddan Ps Milland Road Ind Es, Milland Road Ind Est Neath Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0255901 Permit Version: 1 Effective Date: 31st December 1997 Issued Date: 19th September 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters River Neath Status: Effective Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	844	2	274440 196840
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Melincryddan Sps, Milland Rd, Neath Abbey, Neath, Sa11 1nj Authority: Natural Resources Wales Catchment Area: NEATH ESTUARY Reference: Bp0255901 Permit Version: 2 Effective Date: 17th December 2019 Issued Date: 17th December 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of The River Neath Status: Effective Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	852	2	274433 196845
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Melincryddan Sps, Milland Rd, Neath Abbey, Neath, Sa11 1nj Authority: Natural Resources Wales Catchment Area: NEATH ESTUARY Reference: Bp0255901 Permit Version: 2 Effective Date: 17th December 2019 Issued Date: 17th December 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Estuarial Waters Of The River Neath Status: Effective Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	852	2	274433 196845
12	Discharge Consents Operator: Midland Metal Spinning Co Ltd Property Type: Undefined Or Other Location: Tower Works Neath Authority: Natural Resources Wales Catchment Area: River Neath Reference: Ba2021101 Permit Version: 1 Effective Date: 28th January 1964 Issued Date: 28th January 1964 Revocation Date: 22nd November 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Crythan Brook @ Entry To R Nea Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	861	2	274500 196900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Penrhiwtyn Sps, Opp 3 Pant Yr Heol, Penrhiwtyn, Neath, Sa11 2hn Authority: Natural Resources Wales Catchment Area: NEATH ESTUARY Reference: Bp0256001 Permit Version: 3 Effective Date: 6th February 2020 Issued Date: 6th February 2020 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Via Surface Water Sewer Status: Effective Positional Accuracy: Located by supplier to within 10m	A12NW (W)	919	2	274036 196370
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Penrhiwtyn Sps, Opp 3 Pant Yr Heol, Penrhiwtyn, Neath, Sa11 2hn Authority: Natural Resources Wales Catchment Area: NEATH ESTUARY Reference: Bp0256001 Permit Version: 3 Effective Date: 6th February 2020 Issued Date: 6th February 2020 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Neath Via Surface Water Sewer Status: Effective Positional Accuracy: Located by supplier to within 10m	A12NW (W)	919	2	274036 196370
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Penrhiwtyn Sps Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0256001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Estuarial Waters Of The River Status: Effective Positional Accuracy: Located by supplier to within 10m	A12NW (W)	925	2	274024 196350
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Penrhiwtyn Sps Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0256001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Estuarial Waters Of The River Status: Effective Positional Accuracy: Located by supplier to within 10m	A12NW (W)	925	2	274024 196350
14	Integrated Pollution Controls Name: Quasar Chemicals Ltd Location: Millands Road, NEATH, West Glamorgan, SA11 1NJ Authority: Environment Agency, Welsh Region Permit Reference: BD1377 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	583	3	274620 196647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Integrated Pollution Controls Name: Quasar Chemicals Ltd Location: Unit 16 And 17, Briton Ferry Industrial Estate, Milland Road, NEATH, West Glamorgan, SA11 1NJ Authority: Environment Agency, Welsh Region Permit Reference: AM1020 Dated: 31st May 1994 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	585	3	274615 196647
14	Integrated Pollution Controls Name: Quasar Chemicals Ltd Location: Unit 16 And 17, Briton Ferry Industrial Estate, Milland Road, NEATH, West Glamorgan, SA11 1NJ Authority: Environment Agency, Welsh Region Permit Reference: BH3088 Dated: 3rd March 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	3	274615 196653
14	Integrated Pollution Controls Name: Quasar Chemicals Ltd Location: Unit 16 And 17, Briton Ferry Industrial Estate, Milland Road, NEATH, West Glamorgan, SA11 1NJ Authority: Environment Agency, Welsh Region Permit Reference: AR1400 Dated: 13th April 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	3	274615 196652
15	Local Authority Integrated Pollution Prevention And Control Name: Crown Packaging Uk Plc Location: Neath Factory, Po Box 20, Canalside, Neath, SA11 1PQ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/104 Dated: Not Supplied Process Type: Production and Processing of Metals Description: SG6 Status: Permit Issued Positional Accuracy: Located by supplier to within 10m	A12NW (W)	633	4	274329 196345
16	Local Authority Pollution Prevention and Controls Name: Mr H. J. G. Smith Location: Mile End Service Station, 188 Mile End Row, Neath, West Glamorgan, SA11 2ED Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/80 Dated: 26th February 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	409	4	274596 196381
17	Local Authority Pollution Prevention and Controls Name: Deoxidant Ltd Location: D C Griffiths Way, Melyn, NEATH, West Glamorgan, SA11 1BT Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/31 Dated: 6th April 1993 Process Type: Local Authority Air Pollution Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	505	4	274795 196652
17	Local Authority Pollution Prevention and Controls Name: Ds Smith Packaging Ltd Location: D C Griffiths Way, PO Box 14, Melyn, NEATH, West Glamorgan, SA11 1BT Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/39 Dated: 6th April 1993 Process Type: Local Authority Air Pollution Control Description: PG6/16 Printworks Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	512	4	274788 196656

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Local Authority Pollution Prevention and Controls Name: Metal Processors Ltd Location: Griffiths Way, Melyn, NEATH, West Glamorgan, SA11 1BT Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/6 Aluminium and aluminium alloy processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	508	4	274714 196615
19	Local Authority Pollution Prevention and Controls Name: Crown Packaging Uk Plc Location: Neath Factory, PO Box 20, Canalside, NEATH, West Glamorgan, SA11 1PQ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/104 Dated: 14th September 1993 Process Type: Local Authority Air Pollution Control Description: PG4/1 Processes for the surface treatment of metals Status: Transferred to LAIPPC Positional Accuracy: Located by supplier to within 10m	A12NW (W)	633	4	274329 196345
20	Local Authority Pollution Prevention and Controls Name: Tarmac Topmix Ltd Location: Briton Ferry Industrial Estate, Briton Ferry, NEATH, West Glamorgan, SA11 1NJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality	A18NW (NW)	783	4	274694 196913
21	Local Authority Pollution Prevention and Controls Name: Sandvik Osprey Ltd Location: Red Jacket Works, Millands Road, NEATH, West Glamorgan, SA11 1NJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/27 Dated: 17th November 1995 Process Type: Local Authority Air Pollution Control Description: PG6/35 Metal and other thermal spraying processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	4	274794 197017
22	Local Authority Pollution Prevention and Controls Name: Electron Filling Station Location: 113-125 Windsor Road, NEATH, West Glamorgan, SA11 1NS Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/82 Dated: 8th April 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A18NE (N)	871	4	275201 197075
22	Local Authority Pollution Prevention and Controls Name: Neath Service Station Location: Windsor Road, NEATH, West Glamorgan, SA11 1LT Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/72 Dated: 26th February 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18NE (N)	911	4	275178 197119
23	Local Authority Pollution Prevention and Controls Name: Centre Garage Location: 15A Rectory Road, NEATH, West Glamorgan, SA11 1ET Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/29 Dated: 26th September 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1 Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Automatically positioned to the address	A23SE (N)	939	4	275229 197139
	Nearest Surface Water Feature	A13SE (SE)	0	-	275030 196114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Factory Cottage, Former Siliconics Site, NEATH Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Deliberate Act Incident Date: 16th July 1996 Incident Reference: 29179 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	119	3	275200 196200
25	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: Pond Up Stream Of, Waterfall Near, Builders Pub Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Deliberate Act Incident Date: 1st December 1994 Incident Reference: 21885 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	171	3	275200 196300
26	Pollution Incidents to Controlled Waters Property Type: Warehouses Location: Dy-Oxydent Co D, C Griffiths Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Accidental Spillage/Leakage Incident Date: 7th October 1991 Incident Reference: 4023 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	527	3	274650 196600
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Cesspit Contents Note: Neglect Incident Date: 12th January 1996 Incident Reference: 27135 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	532	3	275006 195501
27	Pollution Incidents to Controlled Waters Property Type: Cess Pit Location: Adjacent To, Slurry Lagoon Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Neglect Incident Date: 15th January 1996 Incident Reference: 27134 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	533	3	275001 195501
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Neglect Incident Date: 15th January 1996 Incident Reference: 27134 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	537	3	275006 195496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Pollution Incidents to Controlled Waters Property Type: Cess Pit Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Cesspit Contents Note: Neglect Incident Date: 12th January 1996 Incident Reference: 27135 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	538	3	275001 195496
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: D C Griffith Way, Melin Y Wig Corwen, NEATH Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 19th February 1996 Incident Reference: 27414 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	591	3	274700 196700
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Milland Road, NEATH Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Nant Crythan (Tributary Of River Neath); Direct Introduction Incident Date: 30th July 1997 Incident Reference: 33189 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	634	3	274600 196695
29	Pollution Incidents to Controlled Waters Property Type: Warehouses Location: Milland Industrial Estate, NEATH Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Vandalism Incident Date: 21st August 1994 Incident Reference: 20744 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	638	3	274600 196700
30	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Jeff Lewis, Transport, Millands Road Authority: Environment Agency, Welsh Region Pollutant: Chlorinated Water Note: Inadequate Design/Capacity Incident Date: 15th November 1995 Incident Reference: 26712 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	680	3	275400 196800
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Garage Tended, Fire Service, Has Been Closed Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 30th October 1994 Incident Reference: 21651 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (SW)	690	3	274300 195800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Warehouses Location: Millands Road Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Poor Operational Practise Incident Date: 30th April 1992 Incident Reference: 4643 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	707	3	274350 196550
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Farm Road And, Grandison Pub Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Not Supplied Incident Date: 13th July 1995 Incident Reference: 25165 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	732	3	274300 195700
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bt Manhole In Authority: Environment Agency, Welsh Region Pollutant: Cesspit Contents Note: Not Supplied Incident Date: 12th August 1994 Incident Reference: 20823 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	773	3	274400 195500
35	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: Maternity, Unit At Neath, General Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Accidental Spillage/Leakage Incident Date: 8th November 1994 Incident Reference: 21770 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	784	3	274200 195800
36	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Dark Arches Nightclub, Commercial Street Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 18th May 1995 Incident Reference: 24217 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	786	3	275001 197001
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite Neath Hospital, By Footbridge Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 1st December 1994 Incident Reference: 21948 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	846	3	274300 195500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Grandison Park, NEATH Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 7th September 1994 Incident Reference: 21052 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	849	3	274300 195495
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Grandison Point Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 21st October 1994 Incident Reference: 21647 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	869	3	274200 195600
39	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pant Howel Ddu, Ynysmaerdy Road, Briton Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Not Supplied Incident Date: 27th February 1995 Incident Reference: 23516 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NW (S)	951	3	274800 195100
40	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath General Hospital, Penrhiwtyn, NEATH, West Glamorgan, SA11 2LQ Authority: Natural Resources Wales Permit Reference: AT7545 Dated: 3rd January 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A7NE (SW)	573	2	274450 195759
40	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath General Hospital, Penrhiwtyn, NEATH, West Glamorgan, SA11 2LQ Authority: Natural Resources Wales Permit Reference: AQ6813 Dated: 4th April 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A7NE (SW)	575	2	274450 195754
40	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath General Hospital, Penrhiwtyn, NEATH, West Glamorgan, SA11 2LQ Authority: Natural Resources Wales Permit Reference: AH7704 Dated: 14th July 1993 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A7NE (SW)	579	2	274445 195754

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Penrhiwtyn, Neath, West Glamorgan, SA11 2LQ Authority: Natural Resources Wales Permit Reference: BI0987 Dated: 31st July 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A7NE (SW)	580	2	274445 195754
40	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath General Hospital, NEATH, West Glamorgan, SA11 2LQ Authority: Natural Resources Wales Permit Reference: Bh9957 Dated: 16th March 2000 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A7NE (SW)	580	2	274445 195754
40	Registered Radioactive Substances Name: Bro Morgannwg Nhs Trust Location: Penrhiwtyn, Neath, West Glamorgan, SA11 2LQ Authority: Environment Agency, Welsh Region Permit Reference: Bt1797 Dated: Not Supplied Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Automatically positioned to the address	A7NE (SW)	580	3	274445 195754
40	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath General Hospital, NEATH, West Glamorgan, SA11 2LQ Authority: Natural Resources Wales Permit Reference: AY1072 Dated: 28th February 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A7NE (SW)	584	2	274440 195754
	River Quality Name: Neath Canal GQA Grade: River Quality D Reach: Conf.Neath - Aberdulais Aqueduct Estimated Distance (km): 8 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A17SE (NW)	765	3	274397 196699
41	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 28th October 2001 Incident Reference: 39936 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Diesel (Including Agricultural)	A7NW (SW)	782	2	274213 195770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr A Thomas Licence Number: 21/58/74/0016 Permit Version: 100 Location: Well At Cefn Crinallt Authority: Environment Agency, Welsh Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Well At Cefn Crinallt Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1660	3	276740 195680
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (W)	0	2	275000 196117
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13SW (E)	0	2	275024 196117
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (E)	0	2	275024 196117
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	2	275000 196117
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	4	2	275080 196170
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	218	2	275059 196435
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	4	2	275080 196170
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	218	2	275059 196435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SW (S)	0	5	274998 196052
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SE (SE)	0	5	275030 196114
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	9	5	275079 196190
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	24	5	275092 196198
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Crythan Brook Catchment Name: Neath Primacy: 1	A13NE (E)	55	5	275170 196152
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A13NE (NE)	62	5	275158 196180
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (E)	62	5	275170 196152
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	78	5	275146 196213

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 190.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A13NE (NE)	81	5	275149 196214
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (E)	89	5	275213 196161
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 278.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Crythan Brook Catchment Name: Neath Primacy: 1	A13SE (E)	94	5	275224 196072
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (E)	100	5	275213 196163
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SW (SW)	177	5	274917 195867
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.9 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A13NE (N)	180	5	275106 196389
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A13NE (N)	190	5	275085 196404
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A13NE (N)	198	5	275074 196413
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A13NE (N)	218	5	275060 196434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (N)	300	5	274999 196512
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (N)	306	5	274988 196515
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 496.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Crythan Brook Catchment Name: Neath Primacy: 1	A14SW (SE)	357	5	275446 195928
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (N)	363	5	274881 196537
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	380	5	274946 195657
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (NW)	382	5	274785 196510
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	382	5	274950 195655
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	383	5	274952 195653
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (NW)	429	5	274717 196526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	432	5	274958 195603
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	432	5	274958 195603
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A14NW (E)	438	5	275544 196256
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A14NW (E)	438	5	275544 196256
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	439	5	274953 195597
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	441	5	274948 195595
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	445	5	274948 195591
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A14NW (E)	449	5	275538 196297
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 130.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (NW)	449	5	274706 196543

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	452	5	274949 195584
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A14NW (NE)	468	5	275538 196337
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NE (W)	481	5	274468 196284
80	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 2005.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A12NE (NW)	489	5	274488 196348
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	521	5	274972 195513
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8NW (S)	521	5	274973 195513
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	521	5	275000 195513
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Eastland Brook Catchment Name: Neath Primacy: 1	A14NW (E)	523	5	275657 196130
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8NW (S)	525	5	274972 195509

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Eastland Brook Catchment Name: Neath Primacy: 1	A14NW (E)	536	5	275649 196254
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Eastland Brook Catchment Name: Neath Primacy: 1	A14NW (E)	537	5	275612 196349
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	537	5	275648 196257
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.9 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (NW)	539	5	274700 196643
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.7 Watercourse Level: Underground Permanent: True Watercourse Name: Eastland Brook Catchment Name: Neath Primacy: 1	A14NW (NE)	539	5	275595 196386
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NE (W)	547	5	274378 196202
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Eastland Brook Catchment Name: Neath Primacy: 1	A19SW (NE)	572	5	275521 196543
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Eastland Brook Catchment Name: Neath Primacy: 1	A19SW (NE)	573	5	275521 196544
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NE (NW)	587	5	274421 196435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A18SW (NW)	606	5	274690 196712
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	621	5	274298 196109
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	621	5	274298 196109
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	631	5	274287 196107
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	647	5	274276 196034
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 400.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	654	5	274271 196024
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	683	5	274997 195350
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	720	5	274997 195313
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	726	5	274193 196101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	728	5	274995 195306
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	736	5	274988 195298
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	753	5	274187 195939
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	756	5	274176 195972
108	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	764	5	274323 196610
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	765	5	274968 195269
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	768	5	274168 195950
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	773	5	274966 195261
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	774	5	274939 195261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	775	5	274318 196623
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	776	5	274593 196854
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A17NE (NW)	777	5	274589 196853
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	786	5	274315 196636
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	796	5	274310 196646
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	800	5	274310 196654
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	802	5	274944 195234
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 284.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	805	5	274118 196033
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: Underground Permanent: True Watercourse Name: Cryddan Brook Catchment Name: Neath Primacy: 1	A17NE (NW)	810	5	274558 196874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	810	5	274303 196661
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NE (E)	811	5	275874 195768
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Crythan Brook Catchment Name: Neath Primacy: 1	A9NE (E)	811	5	275874 195768
125	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 47.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	813	5	274302 196663
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	820	5	274460 196825
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 674.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7SE (SW)	820	5	274487 195367
128	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A17NE (NW)	826	5	274541 196883
129	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 3079.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A17NE (NW)	831	5	274540 196888
130	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A17NE (NW)	831	5	274540 196888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A17NE (NW)	836	5	274536 196891
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	844	5	274193 196554
133	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 149.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17SW (NW)	845	5	274338 196754
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	847	5	274181 196537
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	847	5	274194 196562
136	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 73.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A17NE (NW)	848	5	274525 196900
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	851	5	274283 195514
138	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 212.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17SW (NW)	857	5	274278 196704
139	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 51.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17SW (NW)	857	5	274278 196704

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	858	5	274271 195516
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	859	5	274176 196551
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	859	5	274190 195637
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	859	5	274190 195637
144	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 41.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17NE (NW)	862	5	274378 196813
145	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 150.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	862	5	274378 196813
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	863	5	274186 195637
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	865	5	274149 196509
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	865	5	274149 196509

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	873	5	274175 195638
150	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 25.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	874	5	274400 196848
151	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 50.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17NE (NW)	874	5	274400 196848
152	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 27.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	886	5	274433 196887
153	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17NE (NW)	886	5	274433 196887
154	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 97.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17NE (NW)	889	5	274462 196910
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NW (W)	890	5	274097 196457
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	892	5	275006 195141
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	892	5	275006 195141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	893	5	274115 196505
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NW (W)	895	5	274093 196461
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NW (W)	895	5	274093 196461
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	896	5	274954 195139
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	898	5	274099 196482
163	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	900	5	274381 196865
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SW (S)	902	5	274867 195140
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	905	5	274250 196746
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	905	5	275058 195128

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	906	5	274138 195635
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	910	5	274089 196490
169	OS Water Network Lines Watercourse Form: Foreshore Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	913	5	274412 196904
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	913	5	274131 195635
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	915	5	274366 196872
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NW (W)	916	5	274051 196407
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	920	5	274075 196482
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	921	5	274074 196482
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	921	5	274074 196482

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	924	5	274834 195122
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SW (S)	924	5	274834 195122
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	928	5	274399 196915
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NW (W)	930	5	274041 196421
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	933	5	274393 196916
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	933	5	274393 196916
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SW (W)	936	5	274025 195835
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	937	5	274050 196466
184	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 107.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	939	5	274510 196995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 222.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NE (SE)	939	5	275936 195613
186	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 84.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17NE (NW)	939	5	274510 196995
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NW (S)	944	5	274857 195099
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	948	5	275630 195276
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Crythan Brook Catchment Name: Neath Primacy: 1	A9NE (SE)	950	5	275969 195646
190	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 38.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17SW (NW)	952	5	274095 196599
191	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 132.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17SW (NW)	952	5	274095 196599
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	963	5	275631 195259
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A9SW (SE)	963	5	275631 195259

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NW (NW)	963	5	274244 196825
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	964	5	275639 195263
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	964	5	275642 195265
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	964	5	275642 195265
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	964	5	275645 195267
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	965	5	275635 195259
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17SW (NW)	966	5	274100 196638
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	970	5	274022 196485
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 215.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	970	5	274022 196485

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NW (NW)	971	5	274225 196817
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	974	5	274414 196980
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	975	5	275612 195233
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (W)	975	5	274019 196490
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	979	5	274429 196995
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	980	5	275607 195225
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	981	5	274485 197030
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SW (NW)	985	5	274096 196667
211	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 84.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A17NE (NW)	987	5	274552 197067

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17NE (NW)	987	5	274552 197067
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NE (S)	987	5	275207 195061
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NE (SE)	987	5	275984 195598
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NE (SE)	987	5	275984 195598
216	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 121.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NW (NW)	988	5	274278 196894
217	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 0.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NW (NW)	988	5	274278 196894
218	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NW (NW)	989	5	274278 196895
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NW (NW)	989	5	274281 196898
220	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NE (SE)	989	5	276001 195626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Crythan Brook Catchment Name: Neath Primacy: 1	A9NE (SE)	989	5	276003 195628
222	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	994	5	274044 195627
223	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A11NE (W)	995	5	273946 196327
224	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A16SE (W)	996	5	274007 196515
225	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (NW)	998	5	274393 196995
226	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	998	5	275567 195183
227	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	1000	5	275473 195135

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	Licensed Waste Management Facilities (Locations) Licence Number: PP3098FS Location: Fordpad Scrap, Neath, N P T, Neath Port Talbot, SA11 1AU Operator Name: Fordpad Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) Licence Status: Effective Issued: 2nd January 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	492	2	274765 196620
228	Licensed Waste Management Facilities (Locations) Licence Number: 34035 Location: Foundry Works, D C Griffiths Way, Neath, SA11 1AU Operator Name: Fordpad Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) Licence Status: Modified Issued: 2nd February 1992 Last Modified: 22nd February 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	492	2	274765 196620
229	Licensed Waste Management Facilities (Locations) Licence Number: 34102 Location: Pant Yr Heol, Neath, N P T, SA11 2LQ Operator Name: Glan Y Mor NHS Trust Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Stations Licence Status: Surrendered Issued: 8th July 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 7th December 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	565	2	274500 195700
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	4	275024 196117
230	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (SE)	17	-	275137 196066
231	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (W)	120	-	274824 196193
232	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (W)	121	-	274797 196108
233	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (NW)	245	-	274722 196271
234	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (SW)	420	-	274556 195888
235	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SW (NW)	489	-	274806 196640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
236	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NE (NW)	495	-	274479 196344
237	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	549	-	275011 195484
238	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (SW)	593	-	274693 195511
239	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	595	-	274686 196698
240	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	613	-	275354 196750
241	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	633	-	275342 196779
242	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	733	-	275085 195302
243	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	737	-	274223 196361
244	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SE (E)	786	-	275907 195953
245	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	920	-	275238 195136
246	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A3NW (S)	957	-	274986 195077
247	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1935	A18SW (N)	325	-	274964 196529
248	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14NW (NE)	417	-	275460 196362
249	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A12NE (W)	550	-	274384 196245
250	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12NE (W)	579	-	274395 196362
251	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A12NE (NW)	606	-	274392 196420
252	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18NW (N)	632	-	274944 196840
253	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	634	-	274959 196844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
254	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17SE (NW)	664	-	274503 196661
255	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17SE (NW)	671	-	274399 196557
256	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	674	-	275449 196761
257	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A17SE (NW)	677	-	274399 196568
258	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	685	-	274889 196882
259	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18NE (N)	689	-	275261 196873
260	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (NW)	715	-	274311 196501
261	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A17SE (NW)	731	-	274463 196714
262	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A12SW (W)	751	-	274181 195970
263	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A7NE (SW)	766	-	274385 195525
264	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A7NE (SW)	786	-	274381 195499
265	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SW (S)	915	-	274795 195137
266	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12SW (W)	920	-	274046 195820
267	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A7NW (SW)	949	-	274117 195584
268	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A7NW (SW)	961	-	274091 195606

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
269	Registered Waste Transfer Sites Licence Holder: Glan-Y-Mor Nhs Trust Licence Reference: NBWD 3 Site Location: Neath General Hospital, Pant Yr Heol, NEATH, West Glamorgan, SA11 2LQ Operator Location: 21 Orchard Street, SWANSEA, West Glamorgan, SA1 5AQ Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Licence Status: Operational as far as is knownOperational Dated: 24th September 1996 Preceded By: NBWD 3 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Waste Max.Stor Food Waste Max.Stor Household Waste Max.Stor Pharmaceuticals Max.Stor Prohibited Waste: Highly Flam./Lpg Regs'72 Subs Percussive/Explosive/Similar Waste Special Wastes (As In '96 Regs) N.O.S Sub'S Control. Radioactive Subs Act'60 Waste N.O.S.	A7NE (SW)	702	3	274450 195550
269	Registered Waste Transfer Sites Licence Holder: West Glamorgan Health Authority Licence Reference: NBWD 3 Site Location: Neath General Hospital, Pant Yr Heol, NEATH, West Glamorgan, SA11 2LQ Operator Location: 36 Orchard Street, SWANSEA, West Glamorgan, SA1 5AQ Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 8th July 1994 Preceded By: 12/88 Licence: Superseded By: NBWD 3 Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Wastes Food Waste Gen.Hosp'Waste/Bottle/Aerosol Max.Stor Pharmaceuticals Radioactive Cont.Glassware/Syringe/Etc Sharps Prohibited Waste: Highly Flam./Lpg Regs'72 Subs Percussive/Explosive/Similar Waste Special Wastes N.O.S. Sub'S Control. Radioactive Subs Act'60 Waste N.O.S.	A7NE (SW)	702	3	274450 195550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
270	Registered Waste Treatment or Disposal Sites Licence Holder: Fordpad Ltd Licence Reference: NBSC 1 Site Location: Foundry Works, D C Griffiths Way, NEATH, West Glamorgan, SA11 1AU Operator Location: Abernant House, Altygraban Road, Pontarddulais, SWANSEA, West Glamorgan, SA4 1DS Authority: Environment Agency Wales, South West Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 19th December 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Batteries Max.Stor Electrical Scrap Max.Stor Ferrous Metal Scrap Max.Stor Non-Ferrous Metal Scrap Max.Stor Prohibited Waste: Elemental Sodium/Potassium Metal In Fine Powder Form Percussive/Explosive/Similar Waste Special Wastes N.O.S. Sub'S Control. Radioactive Subs Act'60 Waste Cont. Flam.Solvent (Exc.Petrol) Waste N.O.S.	A18SW (NW)	486	3	274780 196620
271	Registered Waste Treatment or Disposal Sites Licence Holder: West Glamorgan Area Health Authority Licence Reference: 12/88 Site Location: Adj Outpatient Dept, Main Hospital Site, Neath, West Glamorgan Operator Location: 36 Orchard Street, SWANSEA, West Glamorgan, SA1 5AQ Authority: Environment Agency Wales, South West Area Site Category: Incineration Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st June 1988 Preceded By: Not Given Licence: Superseded By: NBWD 3 Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Hospital Wastes Pathology Wastes Suitable For Inc'N Sharps (Med./Surg./Vet) Soiled Surgical Dress./Swaps/Cont.Wast Solid Medicines & Injectables Prohibited Waste: Broken Thermometers Contain. Mercury Pharmaceutical Aerosols	A7NE (SW)	702	3	274450 195550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
272	Control of Major Accident Hazards Sites (COMAH) Name: Transco Plc Location: Neath Gas Works, Milland Road, NEATH, Mid Glamorgan, SA11 1NJ Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A18NW (N)	920	6	274692 197064
273	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Transco Location: Neath Gas Works, Milland Road, Neath, Mid Glamorgan, Sa11 1Nj Status: Not Active Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	901	6	274632 197014

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SW (E)	0	1	275024 196117
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (W)	0	1	274929 196107
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (E)	0	1	275024 196117
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (S)	33	1	275024 196000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	102	1	275117 195969
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	127	1	274860 195953
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (S)	172	1	274950 195865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	172	1	275160 195907
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	283	1	275024 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	347	1	274742 196447
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (NW)	356	1	274833 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	366	1	274804 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	377	1	274827 196520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (NE)	429	1	275498 196336
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (E)	467	1	275557 196301
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	473	1	275430 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	556	1	274500 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	566	1	275543 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	652	1	275768 195944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (NE)	659	1	275341 196809
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	720	1	275821 196317
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	750	1	274517 195432
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	763	1	275785 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	783	1	275063 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	783	1	275024 197000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	800	1	275213 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	832	1	275961 196000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SE (SW)	836	1	274548 195312
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	839	1	274695 195244
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	874	1	275010 195159
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	874	1	274996 195160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	874	1	275842 196614
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19NW (NE)	877	1	275596 196904
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	884	1	275927 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SE (E)	905	1	275950 196493
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SE (NE)	906	1	275947 196500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SW (SW)	935	1	274306 195365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	937	1	275661 196928
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	948	1	274500 197000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9SW (SE)	952	1	275601 195253
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	961	1	275649 196969
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A23SE (N)	975	1	275044 197192
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	978	1	275638 197000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19NE (NE)	988	1	275844 196806
274	BGS Recorded Mineral Sites Site Name: Eaglesbush Grove Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154426 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	22	1	275095 196171
275	BGS Recorded Mineral Sites Site Name: Eaglebush House Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154445 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	106	1	274847 196211
276	BGS Recorded Mineral Sites Site Name: Eaglesbush House Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154427 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (W)	113	1	274807 196133
277	BGS Recorded Mineral Sites Site Name: Eaglebush Cottage Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154444 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	255	1	275021 195778
278	BGS Recorded Mineral Sites Site Name: Mount Pleasant Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154442 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (N)	376	1	275175 196572

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	BGS Recorded Mineral Sites Site Name: Pen-Rhiw-Tyn Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154429 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	410	1	274562 195901
280	BGS Recorded Mineral Sites Site Name: Garth-Mor Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154431 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	433	1	275103 195605
281	BGS Recorded Mineral Sites Site Name: Park Terrace Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154428 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	454	1	274471 196036
282	BGS Recorded Mineral Sites Site Name: Garth-Mor Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154430 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	537	1	275028 195496
283	BGS Recorded Mineral Sites Site Name: Ty-Segur Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154425 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	549	1	275603 196387
284	BGS Recorded Mineral Sites Site Name: Eagle Tin Plate Works Clay Pit Location: Neath, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154109 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (W)	556	1	274416 196352

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
285	BGS Recorded Mineral Sites Site Name: Garth-Mor Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154446 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	576	1	274696 195529
286	BGS Recorded Mineral Sites Site Name: Westernmoor Colliery Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154409 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	616	1	275353 196754
287	BGS Recorded Mineral Sites Site Name: Eagle Tin Plate Works Clay Pit Location: Neath, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154108 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	642	1	274419 196535
288	BGS Recorded Mineral Sites Site Name: Tyla Morris Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156549 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	744	1	274971 195290
289	BGS Recorded Mineral Sites Site Name: Pont Y Lady Clay Pit Location: Neath, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154126 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NW (W)	746	1	274216 196367
290	BGS Recorded Mineral Sites Site Name: Cwm Cottage Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154424 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	758	1	275843 195832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	BGS Recorded Mineral Sites Site Name: Ty-Nef Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156577 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (S)	760	1	275131 195279
292	BGS Recorded Mineral Sites Site Name: Esgyrn Colliery Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156578 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (S)	816	1	275126 195222
293	BGS Recorded Mineral Sites Site Name: Westernmoor Cottages Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154443 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	844	1	275978 196125
294	BGS Recorded Mineral Sites Site Name: Tyla Morris Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156550 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	856	1	274890 195184
295	BGS Recorded Mineral Sites Site Name: Tyla Morris Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156551 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	885	1	275030 195148
296	BGS Recorded Mineral Sites Site Name: Esgyrn Colliery Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156579 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A3NE (S)	946	1	275034 195087

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275250, 196250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 60.20 mg/kg Concentration: Cadmium Measured 1.90 mg/kg Concentration: Chromium Measured 65.30 mg/kg Concentration: Lead Measured 188.70 mg/kg Concentration: Nickel Measured 36.40 mg/kg Concentration:	A13NE (NE)	188	1	275250 196250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 196240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 73.90 mg/kg Concentration: Cadmium Measured 1.20 mg/kg Concentration: Chromium Measured 57.40 mg/kg Concentration: Lead Measured 188.00 mg/kg Concentration: Nickel Measured 33.20 mg/kg Concentration:	A13NW (NW)	206	1	274750 196240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274760, 195770 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 34.50 mg/kg Concentration: Cadmium Measured 0.70 mg/kg Concentration: Chromium Measured 56.40 mg/kg Concentration: Lead Measured 99.70 mg/kg Concentration: Nickel Measured 28.00 mg/kg Concentration:	A8NW (SW)	334	1	274760 195770
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275240, 195740 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 75.90 mg/kg Concentration: Cadmium Measured 1.90 mg/kg Concentration: Chromium Measured 63.10 mg/kg Concentration: Lead Measured 90.50 mg/kg Concentration: Nickel Measured 28.70 mg/kg Concentration:	A8NE (SE)	359	1	275240 195740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275250, 196780 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 76.90 mg/kg Concentration: Cadmium Measured 2.50 mg/kg Concentration: Chromium Measured 70.40 mg/kg Concentration: Lead Measured 492.20 mg/kg Concentration: Nickel Measured 80.80 mg/kg Concentration:	A18SE (N)	594	1	275240 196780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275750, 196240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 57.60 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 78.00 mg/kg Concentration: Lead Measured 151.80 mg/kg Concentration: Nickel Measured 28.90 mg/kg Concentration:	A14NE (E)	631	1	275750 196240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274710, 196750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 214.40 mg/kg Concentration: Cadmium Measured 1.10 mg/kg Concentration: Chromium Measured 50.50 mg/kg Concentration: Lead Measured 180.40 mg/kg Concentration: Nickel Measured 26.70 mg/kg Concentration:	A18SW (NW)	633	1	274710 196750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275750, 195750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 57.90 mg/kg Concentration: Cadmium Measured 1.30 mg/kg Concentration: Chromium Measured 66.80 mg/kg Concentration: Lead Measured 80.90 mg/kg Concentration: Nickel Measured 26.20 mg/kg Concentration:	A9NE (SE)	709	1	275750 195750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274250, 195740 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 84.60 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 87.50 mg/kg Concentration: Lead Measured 784.20 mg/kg Concentration: Nickel Measured 115.50 mg/kg Concentration:	A7NW (SW)	760	1	274250 195740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274150, 196140 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 25.80 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 77.50 mg/kg Concentration: Lead Measured 146.60 mg/kg Concentration: Nickel Measured 51.70 mg/kg Concentration:	A12NW (W)	769	1	274150 196140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274330, 196660 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 33.00 mg/kg Cadmium Measured Concentration: 1.50 mg/kg Chromium Measured Concentration: 115.70 mg/kg Lead Measured Concentration: 157.40 mg/kg Nickel Measured Concentration: 64.20 mg/kg	A17SW (NW)	789	1	274330 196660
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 195250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 93.00 mg/kg Cadmium Measured Concentration: 5.70 mg/kg Chromium Measured Concentration: 84.90 mg/kg Lead Measured Concentration: 1072.30 mg/kg Nickel Measured Concentration: 96.50 mg/kg	A8SW (S)	816	1	274750 195250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275730, 196750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 73.70 mg/kg Cadmium Measured Concentration: 3.30 mg/kg Chromium Measured Concentration: 77.50 mg/kg Lead Measured Concentration: 935.60 mg/kg Nickel Measured Concentration: 116.90 mg/kg	A19SE (NE)	863	1	275730 196750
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Swansea Count Id: 368 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 79.00 mg/kg Arsenic Maximum Concentration: 2161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 2.90 mg/kg Cadmium Maximum Concentration: 61.90 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 72.00 mg/kg Chromium Maximum Concentration: 562.00 mg/kg Lead Minimum Concentration: 23.00 mg/kg Lead Average Concentration: 413.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 8.00 mg/kg Nickel Average Concentration: 52.00 mg/kg Nickel Maximum Concentration: 384.00 mg/kg	A13SW (E)	0	1	275024 196117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (E)	0	7	275024 196117
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (E)	0	-	275024 196117
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	274950 196108
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	101	1	275124 195968
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	172	1	274968 195864
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	224	1	275000 195809
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	274950 196108
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	101	1	275124 195968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	172	1	274968 195864
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	174	1	275234 196250
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	224	1	275000 195809
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	274998 196117
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	274998 196117
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	Contemporary Trade Directory Entries Name: Genie'S Cleaners Location: Meadow Road, Neath, West Glamorgan, SA11 2AB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	92	-	274902 196244
298	Contemporary Trade Directory Entries Name: Melanies Cleaning Service Ltd Location: 12, Exchange Road, Neath, West Glamorgan, SA11 1TD Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	355	-	274960 196559
299	Contemporary Trade Directory Entries Name: Esso Location: Mile End Row, Neath, SA11 2ED Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	406	-	274606 196391
299	Contemporary Trade Directory Entries Name: Mile End Service Station Location: Neath, West Glamorgan, Sa11 2ed Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	406	-	274606 196391
299	Contemporary Trade Directory Entries Name: Mile End Service Station Location: Mile End Row, NEATH, West Glamorgan, SA11 2ED Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	409	-	274596 196381
300	Contemporary Trade Directory Entries Name: J F Coals Location: 8, Herbert Road, Neath, West Glamorgan, SA11 2DN Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	428	-	274513 196253
301	Contemporary Trade Directory Entries Name: Fordpad Ltd Location: Foundry Works, Dc Griffiths Way, Neath, SA11 1AU Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	490	-	274779 196624
302	Contemporary Trade Directory Entries Name: Razzle Dazzle Location: 8, Edwards Street, Neath, West Glamorgan, SA11 1TU Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	536	-	275206 196730
303	Contemporary Trade Directory Entries Name: Crynant Plant & Transport Ltd Location: Eaglebush Works, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	545	-	274568 196558
304	Contemporary Trade Directory Entries Name: F & T Refrigeration Ltd Location: Dc Griffiths Way, Neath, West Glamorgan, SA11 1BT Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	549	-	274783 196695
304	Contemporary Trade Directory Entries Name: F & T Refrigeration Ltd Location: Dc Griffiths Way, Neath, West Glamorgan, SA11 1BT Classification: Refrigeration Equipment - Commercial Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	549	-	274783 196695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
305	Contemporary Trade Directory Entries Name: Neath General Hospital Location: Penrhiwtyn, Neath, West Glamorgan, SA11 2LQ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	579	-	274445 195754
306	Contemporary Trade Directory Entries Name: Morgans M O T Centre Location: Neath, SA11 1AE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	585	-	275204 196781
306	Contemporary Trade Directory Entries Name: Danygraig Motors Location: 7 Quar Rd, Neath, West Glamorgan, SA11 1AE Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	612	-	275186 196814
306	Contemporary Trade Directory Entries Name: Pac Trade Cars Location: Flat 7, Edward Jarvis Court, Quar Road, Neath, West Glamorgan, SA11 1AE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	620	-	275203 196818
307	Contemporary Trade Directory Entries Name: Acorn Chemical Services Location: Unit 16, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Chemical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	-	274615 196653
307	Contemporary Trade Directory Entries Name: Acorn Chemical Services Ltd Location: Unit 16, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	-	274615 196652
307	Contemporary Trade Directory Entries Name: Acorn Chemical Services Location: Unit 16, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	-	274615 196653
307	Contemporary Trade Directory Entries Name: Equilibrium Chemical Services Ltd Location: 16 Milland Rd Ind Est, Neath, West Glamorgan, SA11 1NJ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	590	-	274614 196652
307	Contemporary Trade Directory Entries Name: C I S Contract Packaging Ltd Location: Unit 17, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Packaging Materials Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	-	274615 196653
307	Contemporary Trade Directory Entries Name: Lase Ltd Location: Unit 15, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Coating Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	607	-	274632 196683
307	Contemporary Trade Directory Entries Name: L Pugh & Son Location: 15, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	607	-	274632 196683
307	Contemporary Trade Directory Entries Name: Equipment Supply Services Location: Unit 15, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	607	-	274632 196683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
308	Contemporary Trade Directory Entries Name: C J E N T Uk Ltd Location: UNIT 17, MILLAND ROAD INDUSTRIAL ESTATE, NEATH, SA11 1NJ Classification: Kitchen Furniture Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	590	-	274608 196648
308	Contemporary Trade Directory Entries Name: Milland Tyre & Auto Location: Unit 18, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Exhaust & Shock Absorber Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	615	-	274560 196644
308	Contemporary Trade Directory Entries Name: Precision Sealing Ltd Location: Unit 19, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Pumps - Sales, Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	615	-	274560 196644
308	Contemporary Trade Directory Entries Name: South Wales Transport Location: Unit 19, Milland Road Industrial Estate, Neath, SA11 1NJ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	615	-	274560 196644
309	Contemporary Trade Directory Entries Name: Neath Gun Shop Location: 44, Briton Ferry Road, NEATH, West Glamorgan, SA11 1AA Classification: Gunsmiths Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	592	-	275111 196806
310	Contemporary Trade Directory Entries Name: Crown Food Uk Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Can Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	619	-	274339 196331
311	Contemporary Trade Directory Entries Name: D S Smith Location: Dc Griffiths Way, Neath, SA11 1BT Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	620	-	274823 196793
312	Contemporary Trade Directory Entries Name: Lewis Road Motors Location: Lewis Road, Neath, West Glamorgan, SA11 1DX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	635	-	275342 196781
313	Contemporary Trade Directory Entries Name: Menter Location: Unit 13, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	646	-	274686 196754
313	Contemporary Trade Directory Entries Name: Fox Transport Services Location: Milland Rd Ind Est, Neath, West Glamorgan, SA11 1NJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	688	-	274650 196784
314	Contemporary Trade Directory Entries Name: Ultra Glass Wales Location: Unit 5, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (NW)	674	-	274714 196800
314	Contemporary Trade Directory Entries Name: City Centre Plastics Location: Unit 5, Milland Rd Ind Est, Neath, West Glamorgan, SA11 1NJ Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (NW)	674	-	274714 196800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
314	Contemporary Trade Directory Entries Name: Buildbase Ltd Location: Milland Road, Neath, West Glamorgan, SA11 1NJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	707	-	274681 196819
314	Contemporary Trade Directory Entries Name: Book Print (2000) Ltd Location: Unit 8, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Bookbinding & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	707	-	274681 196819
314	Contemporary Trade Directory Entries Name: Express Transport Ltd Location: Unit 8, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	707	-	274681 196819
315	Contemporary Trade Directory Entries Name: Radiance Blinds Location: 12, Briton Ferry Road, Neath, West Glamorgan, SA11 1AA Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	674	-	275176 196879
316	Contemporary Trade Directory Entries Name: Forward Freight Location: 11, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	691	-	274574 196746
317	Contemporary Trade Directory Entries Name: A S W Scaffolding Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	699	-	274933 196905
317	Contemporary Trade Directory Entries Name: Neath Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	699	-	274933 196905
317	Contemporary Trade Directory Entries Name: South Wales Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	699	-	274933 196905
317	Contemporary Trade Directory Entries Name: Cardiff Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	699	-	274933 196905
317	Contemporary Trade Directory Entries Name: Newport Cleaning Co Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	699	-	274933 196905
317	Contemporary Trade Directory Entries Name: Bridgend Office Cleaning Location: 27, New Henry Street, Neath, West Glamorgan, SA11 1PH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	699	-	274933 196905
318	Contemporary Trade Directory Entries Name: Alice Peter Location: Brookdale st, Neath, West Glamorgan, SA11 1PB Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	729	-	275075 196945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
318	Contemporary Trade Directory Entries Name: B Clean Location: 22, Brookdale Street, Neath, West Glamorgan, SA11 1PB Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	730	-	275100 196945
319	Contemporary Trade Directory Entries Name: Uk Flooring Distribution Location: Unit 4, Milland Road Industrial Estate, Neath, SA11 1NJ Classification: Floorcoverings - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	741	-	274746 196892
319	Contemporary Trade Directory Entries Name: Roma Flooring Location: Unit 4, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Floorcoverings - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	741	-	274746 196892
320	Contemporary Trade Directory Entries Name: Formagrind Ltd Location: Unit 10, Milland Road Industrial Estate, Neath, SA11 1NJ Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	749	-	274574 196814
320	Contemporary Trade Directory Entries Name: Bodycote Location: Unit 10, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	749	-	274574 196814
321	Contemporary Trade Directory Entries Name: Blake Industrial Cleaning Supplies Location: 147, Windsor Road, Neath, West Glamorgan, SA11 1NU Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	776	-	275211 196977
322	Contemporary Trade Directory Entries Name: Alison Peter Cleaning Service Location: 40, Pendrill Street, Neath, West Glamorgan, SA11 1BP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	781	-	274935 196989
322	Contemporary Trade Directory Entries Name: First Choice Princess Blinds Location: 45a, Pendrill Street, Neath, SA11 1BW Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	781	-	274908 196984
322	Contemporary Trade Directory Entries Name: Alice & Peter Cleaning Services Location: 40, Pendrill Street, Neath, West Glamorgan, SA11 1BP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	781	-	274935 196989
323	Contemporary Trade Directory Entries Name: Robinson Webster Production Ltd Location: Unit 9, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	789	-	274642 196891
324	Contemporary Trade Directory Entries Name: Westbury Flexographic Ltd Location: Milland Rd Ind Est, Neath, West Glamorgan, SA11 1NJ Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (N)	809	-	274685 196938
324	Contemporary Trade Directory Entries Name: T J Thomas Coaches Location: Milland Road Industrial Estate, Neath, SA11 1NJ Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	836	-	274705 196977

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
325	Contemporary Trade Directory Entries Name: Tarmac Location: Briton Ferry, Neath, West Glamorgan, SA11 2HZ Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	817	-	274252 195614
326	Contemporary Trade Directory Entries Name: Hale Joinery Location: Briton Ferry Indust Est, Milland Rd, Neath, West Glamorgan, SA11 1NJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	836	-	274764 197002
326	Contemporary Trade Directory Entries Name: Foundry Autos Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	274794 197017
326	Contemporary Trade Directory Entries Name: Sandvik Osprey Ltd Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	274794 197017
326	Contemporary Trade Directory Entries Name: Timber Builders Merchants Ltd Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	274794 197017
326	Contemporary Trade Directory Entries Name: Trick & Aubrey Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	274794 197017
326	Contemporary Trade Directory Entries Name: J S Jones Buildbase Ltd Location: Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	274794 197017
327	Contemporary Trade Directory Entries Name: Pressure Washer Services Location: Unit 1, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	842	-	274574 196919
327	Contemporary Trade Directory Entries Name: The Safety Letter Box Company Ltd Location: Unit 1b, Milland Road Industrial Estate, Neath, West Glamorgan, SA11 1NJ Classification: Aluminium Fabricators Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	864	-	274586 196948
328	Contemporary Trade Directory Entries Name: Transworld Communication Location: 96, Windsor Road, Neath, West Glamorgan, SA11 1NR Classification: Radio Communication Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	860	-	275174 197068
328	Contemporary Trade Directory Entries Name: Electron Filling Station Location: 113, Windsor Road, Neath, West Glamorgan, SA11 1NS Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	871	-	275201 197075
329	Contemporary Trade Directory Entries Name: Emec Ltd Location: 45, Moorland Road, Neath, West Glamorgan, SA11 1JW Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	922	-	276005 196405

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
329	Contemporary Trade Directory Entries Name: John Mcateer Location: 62, Moorland Road, Neath, West Glamorgan, SA11 1JN Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	954	-	276036 196412
330	Contemporary Trade Directory Entries Name: E Hoile & Sons Location: Centre Garage 15a, Rectory Road, Neath, SA11 1ET Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	949	-	275214 197152
330	Contemporary Trade Directory Entries Name: Neath Dental Laboratory Ltd Location: 81, Windsor Road, Neath, West Glamorgan, SA11 1NS Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	958	-	275181 197166
330	Contemporary Trade Directory Entries Name: The Aga Shop Location: 79, Windsor Road, Neath, West Glamorgan, SA11 1NS Classification: Cookers - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	962	-	275180 197171
331	Contemporary Trade Directory Entries Name: Peter Court Location: 1, Brynawel, Cimla, Neath, West Glamorgan, SA11 1JF Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (E)	950	-	276076 196232
332	Contemporary Trade Directory Entries Name: Dragon Oven Cleaning Service Ltd Location: 18, Arthur Street, Neath, West Glamorgan, SA11 1HP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	964	-	275379 197123
333	Contemporary Trade Directory Entries Name: D T Hunkin Location: 117, Cimla Road, Neath, West Glamorgan, SA11 3UE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (E)	975	-	276038 196467
334	Contemporary Trade Directory Entries Name: Rise 'N' Shine Location: 12, Rugby Avenue, Neath, West Glamorgan, SA11 1YT Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	976	-	275505 197081
334	Contemporary Trade Directory Entries Name: Industrial Rope Access Location: 12, Rugby Avenue, Neath, West Glamorgan, SA11 1YT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	976	-	275505 197081
335	Contemporary Trade Directory Entries Name: Mike Saunders Motors Ltd Location: Milland Road Industrial Estate, NEATH, West Glamorgan, SA11 1NJ Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	983	-	274837 197176
336	Fuel Station Entries Name: Mile End Service Station Location: 188, Mile End Row , Melyn , Neath, Neath Port Talbot, SA11 2ED Brand: ESSO Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	405	-	274607 196391

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
337	Fuel Station Entries Name: Electron Filling Station Location: 113-125, Windsor Road , , Neath, Neath Port Talbot, SA11 1NS Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A18NE (N)	871	-	275201 197075
338	Fuel Station Entries Name: Windsor Road Service Station Location: 66, Windsor Road , , Neath, Neath Port Talbot, SA11 1LT Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A23SE (N)	996	-	275144 197208
339	Points of Interest - Commercial Services Name: Dai-agnostics Mobile Motor Repairs Location: 8 Clos Warren, Neath, SA11 2FF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	320	8	274834 195746
340	Points of Interest - Commercial Services Name: Mile End Service Station Location: Mile End Row, Neath, SA11 2ED Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	405	8	274607 196391
340	Points of Interest - Commercial Services Name: Car Wash Location: Mile End Row, Neath, SA11 2ED Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	405	8	274607 196391
341	Points of Interest - Commercial Services Name: Fordpad Ltd Location: Foundry Works, Dc Griffiths Way, Neath, SA11 1AU Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18SW (NW)	490	8	274779 196624
341	Points of Interest - Commercial Services Name: Fordpad Ltd Location: Foundry Works, Dc Griffiths Way, Neath, SA11 1AU Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18SW (NW)	490	8	274779 196624
342	Points of Interest - Commercial Services Name: Milland Tyre & Auto Location: Unit 18, Milland Road Industrial Estate, Neath, SA11 1NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	615	8	274560 196644
343	Points of Interest - Commercial Services Name: J T Contract Services Location: 8 Caedewen Road, Neath, SA11 1US Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	618	8	275620 196483
344	Points of Interest - Commercial Services Name: Danygraig Motors Location: Flat 7 Edward Jarvis Court, Quar Road, Neath, SA11 1AE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	620	8	275203 196818
345	Points of Interest - Commercial Services Name: Lewis Road Motors Location: Lewis Road, Neath, SA11 1DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	635	8	275342 196781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
345	Points of Interest - Commercial Services Name: Morgans M O T Centre Location: Lewis Road, Neath, SA11 1DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	635	8	275342 196781
346	Points of Interest - Commercial Services Name: Express Transport Ltd Location: Unit 8, Milland Road Industrial Estate, Neath, SA11 1NJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	707	8	274681 196819
346	Points of Interest - Commercial Services Name: Express Transport Ltd Location: Unit 8, Milland Road Industrial Estate, Neath, SA11 1NJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	707	8	274681 196819
347	Points of Interest - Commercial Services Name: UK Flooring Distribution Location: Unit 4, Milland Road Industrial Estate, Neath, SA11 1NJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	741	8	274745 196891
348	Points of Interest - Commercial Services Name: I M O Car Wash Location: 117 Pant yr Heol, Neath, SA11 2HB Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	774	8	274279 195653
349	Points of Interest - Commercial Services Name: Foundry Autos Location: Milland Road Industrial Estate, Neath, SA11 1NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	841	8	274794 197017
349	Points of Interest - Commercial Services Name: Trick & Aubrey Location: Milland Road Industrial Estate, Neath, SA11 1NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	841	8	274794 197017
349	Points of Interest - Commercial Services Name: Trick & Aubrey Location: Milland Road Industrial Estate, Neath, SA11 1NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	841	8	274794 197017
349	Points of Interest - Commercial Services Name: Foundry Autos Location: Milland Road Industrial Estate, Neath, SA11 1NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	841	8	274794 197017
350	Points of Interest - Commercial Services Name: E Hoile & Sons Location: 15 Rectory Road, Neath, SA11 1ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	939	8	275229 197139
350	Points of Interest - Commercial Services Name: E Hoile & Sons Location: Centre Garage 15a, Rectory Road, Neath, SA11 1ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	949	8	275214 197152
351	Points of Interest - Commercial Services Name: D T Hunkin Location: 117 Cimla Road, Neath, SA11 3UE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SE (E)	975	8	276038 196467

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
352	Points of Interest - Commercial Services Name: Station Sprayers Location: Station House, Station Road, Briton Ferry, Neath, SA11 2SU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SW (SW)	997	8	274264 195319
353	Points of Interest - Education and Health Name: Neath General Hospital Location: Penrhiwtyn, Neath, SA11 2LQ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A7NE (SW)	579	8	274445 195754
354	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	331	8	275465 196124
355	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A12SE (W)	444	8	274487 196011
355	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	457	8	274470 196027
356	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	478	8	274770 196607
356	Points of Interest - Manufacturing and Production Name: Factory Location: SA11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	485	8	274775 196616
357	Points of Interest - Manufacturing and Production Name: Eaglesbush Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	487	8	274563 196469
357	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	535	8	274578 196554
357	Points of Interest - Manufacturing and Production Name: Eaglesbush Works Location: SA11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	538	8	274569 196550
358	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	588	8	274741 196716
359	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	619	8	274346 196350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
359	Points of Interest - Manufacturing and Production Name: Works Location: SA11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	619	8	274346 196351
360	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	633	8	274825 196808
360	Points of Interest - Manufacturing and Production Name: Factory Location: SA11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A18NW (N)	635	8	274832 196813
361	Points of Interest - Manufacturing and Production Name: Tanks Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	636	8	274421 195687
362	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	715	8	274318 196512
363	Points of Interest - Manufacturing and Production Name: Workings (Dis) Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	727	8	275072 195307
364	Points of Interest - Manufacturing and Production Name: Milland Road Industrial Estate Location: SA11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	735	8	274721 196873
364	Points of Interest - Manufacturing and Production Name: Milland Road Industrial Estate Location: SA11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	735	8	274722 196874
365	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	798	8	274796 195257
366	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	811	8	274204 196501
366	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	827	8	274189 196506
367	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	831	8	274807 197011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
367	Points of Interest - Manufacturing and Production Name: Works Location: SA11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	832	8	274807 197012
368	Points of Interest - Manufacturing and Production Name: L Williams Location: Cimla, Neath, SA11 2HS Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A8SE (S)	875	8	275336 195212
369	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	939	8	274718 197094
370	Points of Interest - Manufacturing and Production Name: Air Shafts (Disused) Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A3NE (S)	966	8	275256 195093
371	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	981	8	275686 195274
372	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A23SE (N)	997	8	275033 197214
372	Points of Interest - Manufacturing and Production Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A23SE (N)	999	8	275035 197216
373	Points of Interest - Public Infrastructure Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	80	8	275150 196210
373	Points of Interest - Public Infrastructure Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	80	8	275149 196213
374	Points of Interest - Public Infrastructure Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	176	8	275116 196380
374	Points of Interest - Public Infrastructure Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	237	8	275055 196454
374	Points of Interest - Public Infrastructure Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	238	8	275055 196455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
375	Points of Interest - Public Infrastructure Name: Mile End Service Station Location: Mile End Row, Neath, SA11 2ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	405	8	274607 196391
375	Points of Interest - Public Infrastructure Name: Esso Location: Mile End Row, Neath, SA11 2ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	406	8	274606 196391
375	Points of Interest - Public Infrastructure Name: Esso Location: Mile End Row, Neath, SA11 2ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	406	8	274606 196391
375	Points of Interest - Public Infrastructure Name: Mile End Service Station Location: Mile End Row, Neath, SA11 2ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	406	8	274606 196391
375	Points of Interest - Public Infrastructure Name: Mile End Service Station Location: Mile End Row, Neath, SA11 2ED Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	409	8	274596 196381
376	Points of Interest - Public Infrastructure Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	491	8	274475 196325
377	Points of Interest - Public Infrastructure Name: Mortuary Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	537	8	274456 195826
378	Points of Interest - Public Infrastructure Name: South Wales Transport Location: Unit 19, Milland Road Industrial Estate, Neath, SA11 1NJ Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A17SE (NW)	615	8	274560 196644
379	Points of Interest - Public Infrastructure Name: B Clean Location: 22 Brookdale Street, Neath, SA11 1PB Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NE (N)	730	8	275100 196945
379	Points of Interest - Public Infrastructure Name: B Clean Rubbish Removal Services Location: 22 Brookdale Street, Neath, SA11 1PB Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NE (N)	730	8	275100 196945
380	Points of Interest - Public Infrastructure Name: Filter Beds Location: SA11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	802	8	274225 196524
380	Points of Interest - Public Infrastructure Name: Filter Beds Location: SA11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	811	8	274215 196523

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
381	Points of Interest - Public Infrastructure Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	815	8	274467 196824
381	Points of Interest - Public Infrastructure Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	818	8	274461 196823
381	Points of Interest - Public Infrastructure Name: Outfall Location: SA11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	840	8	274448 196841
381	Points of Interest - Public Infrastructure Name: Outfall Location: SA11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	843	8	274441 196839
382	Points of Interest - Public Infrastructure Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	906	8	274141 195630
382	Points of Interest - Public Infrastructure Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	910	8	274136 195631
383	Points of Interest - Public Infrastructure Name: Chapel of Rest Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	913	8	274285 195417
384	Points of Interest - Public Infrastructure Name: Peter Court Location: 1 Brynawel, Cimla, Neath, SA11 1JF Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A15NW (E)	950	8	276076 196232
384	Points of Interest - Public Infrastructure Name: Peter Court Location: 1 Brynawel, Cimla, Neath, SA11 1JF Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A15NW (E)	950	8	276076 196232
385	Points of Interest - Recreational and Environmental Name: Play Area Location: SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	233	8	274735 196270
386	Points of Interest - Recreational and Environmental Name: Playground Location: Bryn Road, SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NE (NE)	303	8	275247 196448
386	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	307	8	275249 196452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
387	Points of Interest - Recreational and Environmental Name: Play Area Location: SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	466	8	275566 196276
388	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	540	8	274971 196751
388	Points of Interest - Recreational and Environmental Name: Playground Location: Bowen Street, SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	541	8	274971 196752
389	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	749	8	275411 196874
389	Points of Interest - Recreational and Environmental Name: Playground Location: Maes-Y-Ffynnon Close, SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19NW (NE)	753	8	275411 196878
390	Points of Interest - Recreational and Environmental Name: Playground Location: Kingdon-Owen Road, SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NE (E)	763	8	275868 196311
390	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	765	8	275868 196317
390	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	802	8	275910 196305
390	Points of Interest - Recreational and Environmental Name: Playground Location: (Bryn Awel), SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NE (E)	802	8	275910 196305
391	Points of Interest - Recreational and Environmental Name: Playground Location: Wellfield Avenue, SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19NW (NE)	932	8	275594 196974
391	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	934	8	275591 196979

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
392	Ancient Woodland Name: Not Supplied Reference: 23144 Area(m²): 5257.17 Type: Restored Ancient Woodland Site	A13NW (NW)	0	2	274995 196129
393	Ancient Woodland Name: Not Supplied Reference: 23143 Area(m²): 2723.57 Type: Restored Ancient Woodland Site	A13SE (SE)	11	2	275058 196040
394	Ancient Woodland Name: Not Supplied Reference: 11352 Area(m²): 20063.95 Type: Restored Ancient Woodland Site	A13SE (S)	13	2	275039 196022
395	Ancient Woodland Name: Not Supplied Reference: 12254 Area(m²): 9319.44 Type: Ancient and Semi-Natural Woodland	A13NE (E)	22	2	275155 196129
396	Ancient Woodland Name: Not Supplied Reference: 7766 Area(m²): 4327.93 Type: Ancient and Semi-Natural Woodland	A13NE (NE)	34	2	275103 196218
397	Ancient Woodland Name: Not Supplied Reference: 12255 Area(m²): 5217.98 Type: Ancient and Semi-Natural Woodland	A13NE (NE)	86	2	275156 196210
398	Ancient Woodland Name: Not Supplied Reference: 8058 Area(m²): 87385.89 Type: Ancient and Semi-Natural Woodland	A13SE (SE)	171	2	275267 195991
399	Ancient Woodland Name: Not Supplied Reference: 18281 Area(m²): 2902.32 Type: Ancient and Semi-Natural Woodland	A13SW (S)	187	2	274948 195850
400	Ancient Woodland Name: Not Supplied Reference: 7498 Area(m²): 19059.96 Type: Ancient and Semi-Natural Woodland	A13SE (E)	203	2	275329 196042
401	Ancient Woodland Name: Not Supplied Reference: 7497 Area(m²): 1939.69 Type: Ancient and Semi-Natural Woodland	A13SE (SE)	211	2	275294 195958
402	Ancient Woodland Name: Not Supplied Reference: 7496 Area(m²): 1097.17 Type: Ancient and Semi-Natural Woodland	A8NE (S)	378	2	275074 195657
403	Ancient Woodland Name: Not Supplied Reference: 7495 Area(m²): 24539.37 Type: Ancient and Semi-Natural Woodland	A8NE (S)	453	2	275085 195582
404	Ancient Woodland Name: Not Supplied Reference: 18283 Area(m²): 10328.45 Type: Ancient and Semi-Natural Woodland	A9NW (SE)	635	2	275668 195758
405	Ancient Woodland Name: Not Supplied Reference: 18279 Area(m²): 5962.42 Type: Ancient and Semi-Natural Woodland	A8SE (S)	851	2	275042 195182

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
406	Ancient Woodland Name: Not Supplied Reference: 18282 Area(m²): 2805.64 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	860	2	275767 195511
407	Ancient Woodland Name: Not Supplied Reference: 18278 Area(m²): 2474.75 Type: Ancient and Semi-Natural Woodland	A8SE (S)	910	2	275275 195155
408	Ancient Woodland Name: Not Supplied Reference: 18280 Area(m²): 4537.47 Type: Ancient and Semi-Natural Woodland	A9SW (SE)	944	2	275665 195305
409	Local Nature Reserves Name: Eaglesbush Valley Multiple Area: N Area (m2): 79888.24 Source: Neath Port Talbot County Borough Council Designation Date: 31st December 2008	A13NE (NE)	0	9	275074 196156

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices City and County of Swansea - Environmental Health Department Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department	January 2015 June 2020 March 2015	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 July 2020	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Variable
Integrated Pollution Prevention And Control Natural Resources Wales Environment Agency - Welsh Region	July 2020 October 2020	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	April 2014 August 2012 June 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2020	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
Substantiated Pollution Incident Register Natural Resources Wales Environment Agency Wales - South West Area	July 2020 October 2020	Quarterly Quarterly
Water Abstractions Natural Resources Wales Environment Agency - Welsh Region	July 2020 October 2020	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	July 2020 October 2017	Quarterly Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	November 2016	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2018	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	June 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	October 2020 October 2020	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	July 2020 October 2020	Quarterly Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 September 2003	Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	September 2020	
Points of Interest - Commercial Services PointX	September 2020	Quarterly
Points of Interest - Education and Health PointX	September 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2020	Quarterly
Points of Interest - Public Infrastructure PointX	September 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2020	Quarterly
Underground Electrical Cables National Grid	August 2020	

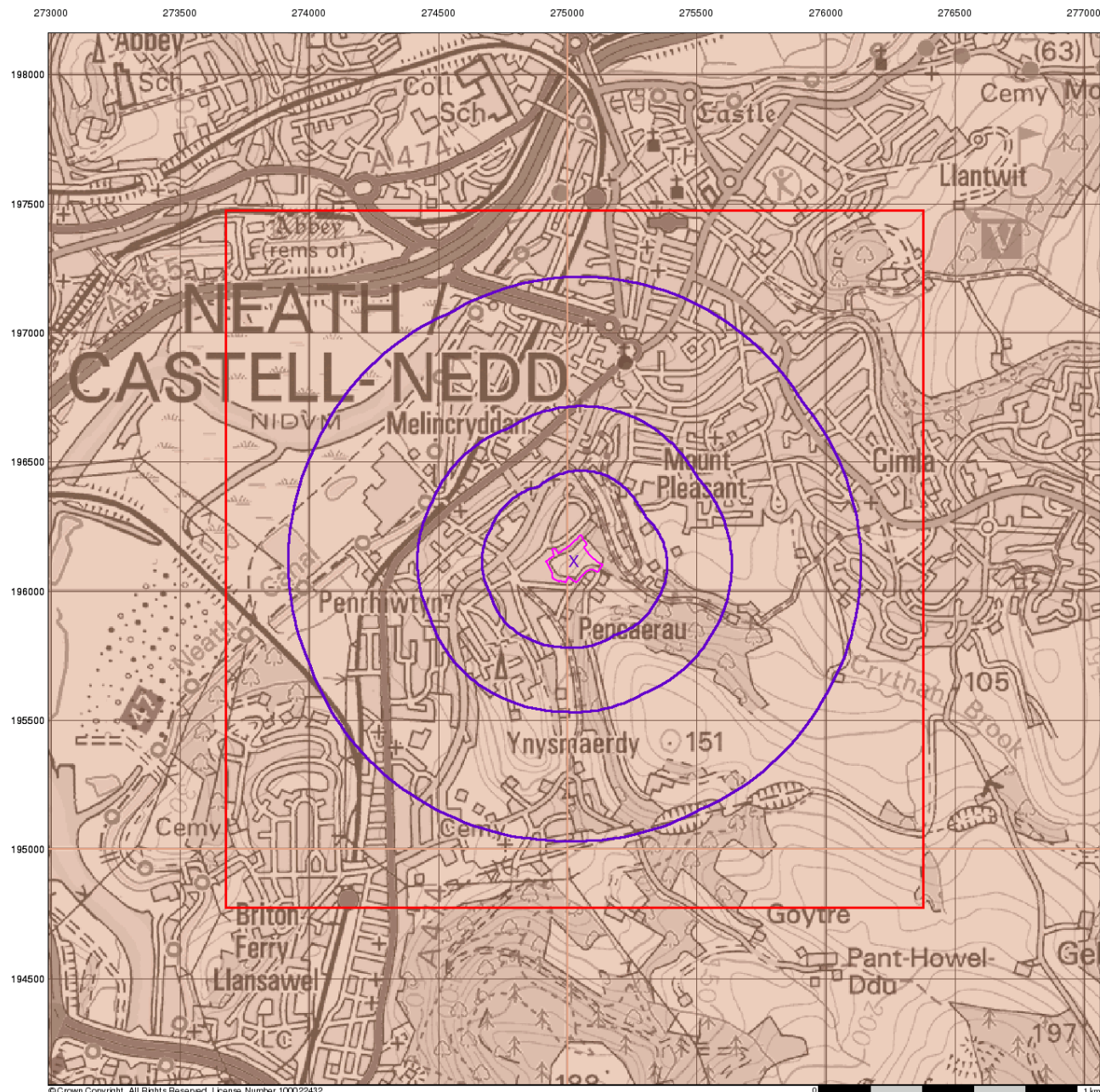
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	June 2020 June 2020	As notified As notified
Areas of Unadopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	June 2020 June 2020	As notified As notified
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves City and County of Swansea Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Neath Port Talbot County Borough Council Civic Centre, Port Talbot, West Glamorgan, SA13 1PJ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



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0 1 km

Intégral Géotechnique

Bedrock Aquifer Designation

General

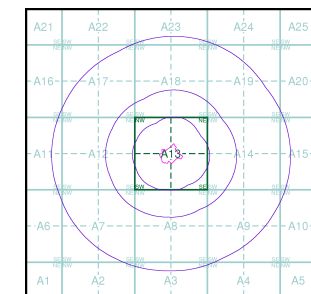
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

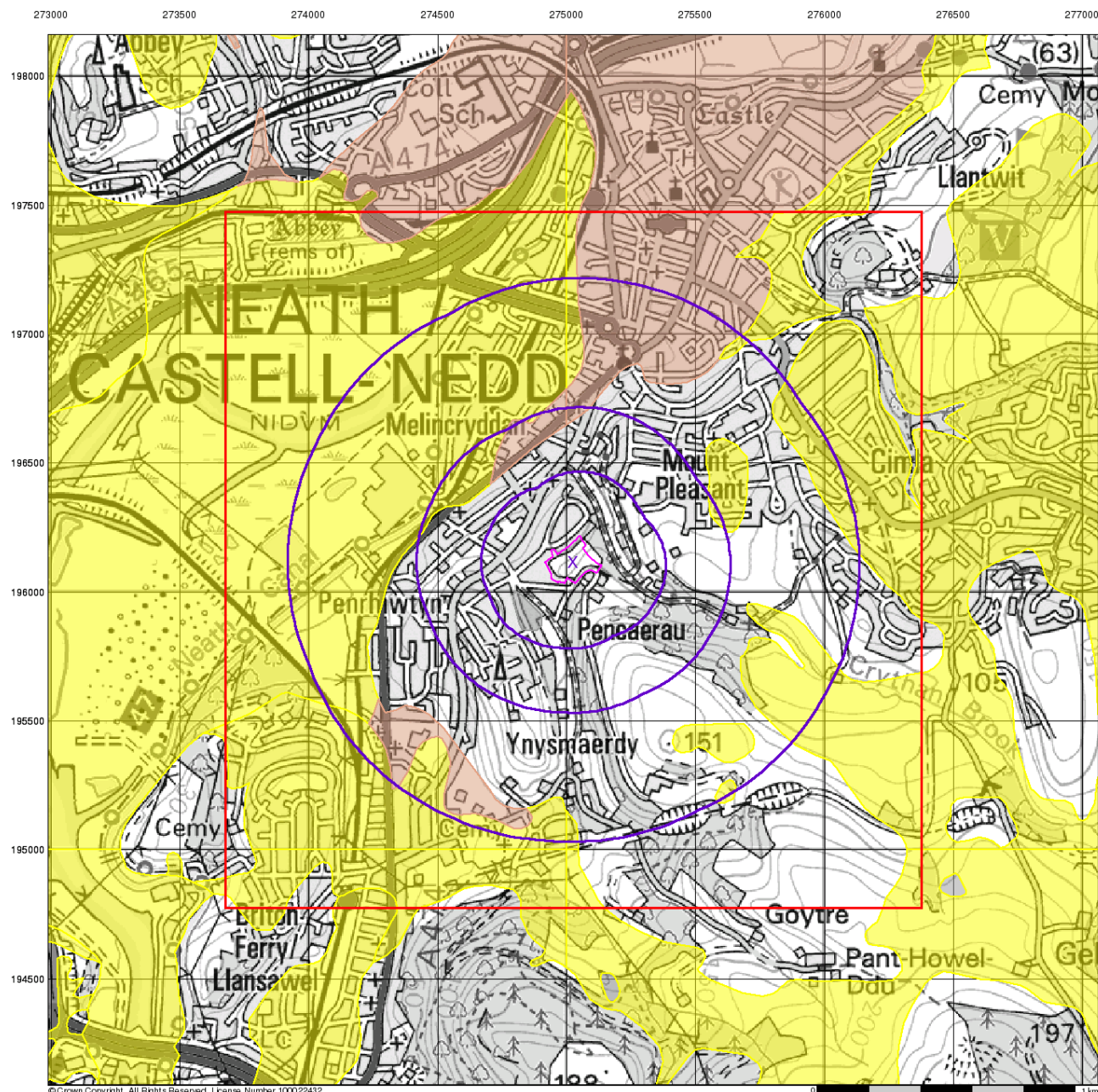
Order Number: 268406405_1_1
 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

Site Details

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 INFORMATION GROUP

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Intégral Géotechnique

Superficial Aquifer Designation

General

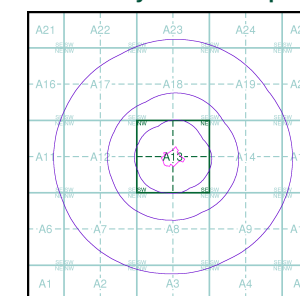
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

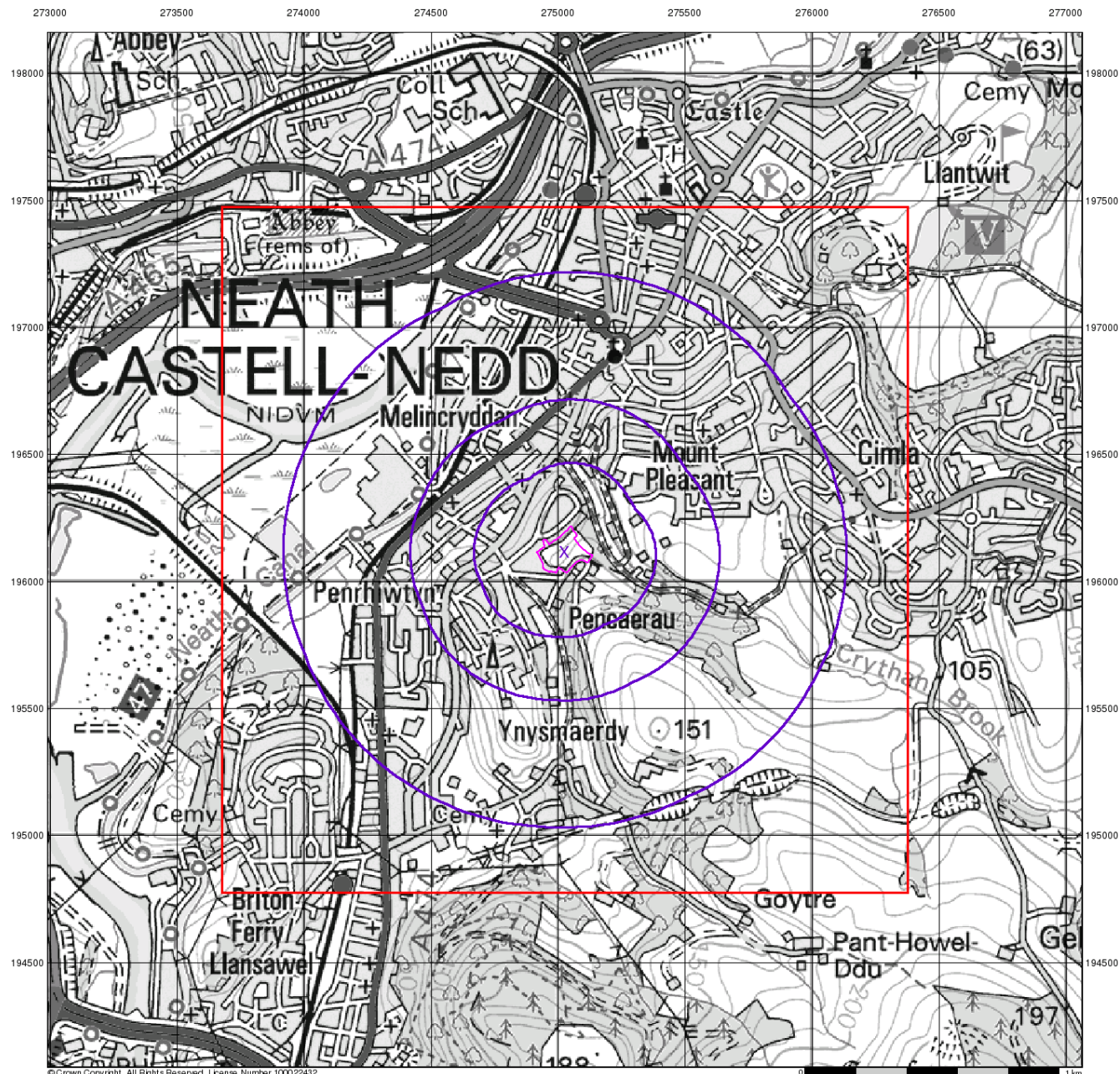
Order Number: 268406405_1_1
 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

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Intégral Géotechnique

Source Protection Zones

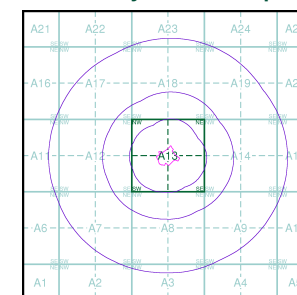
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

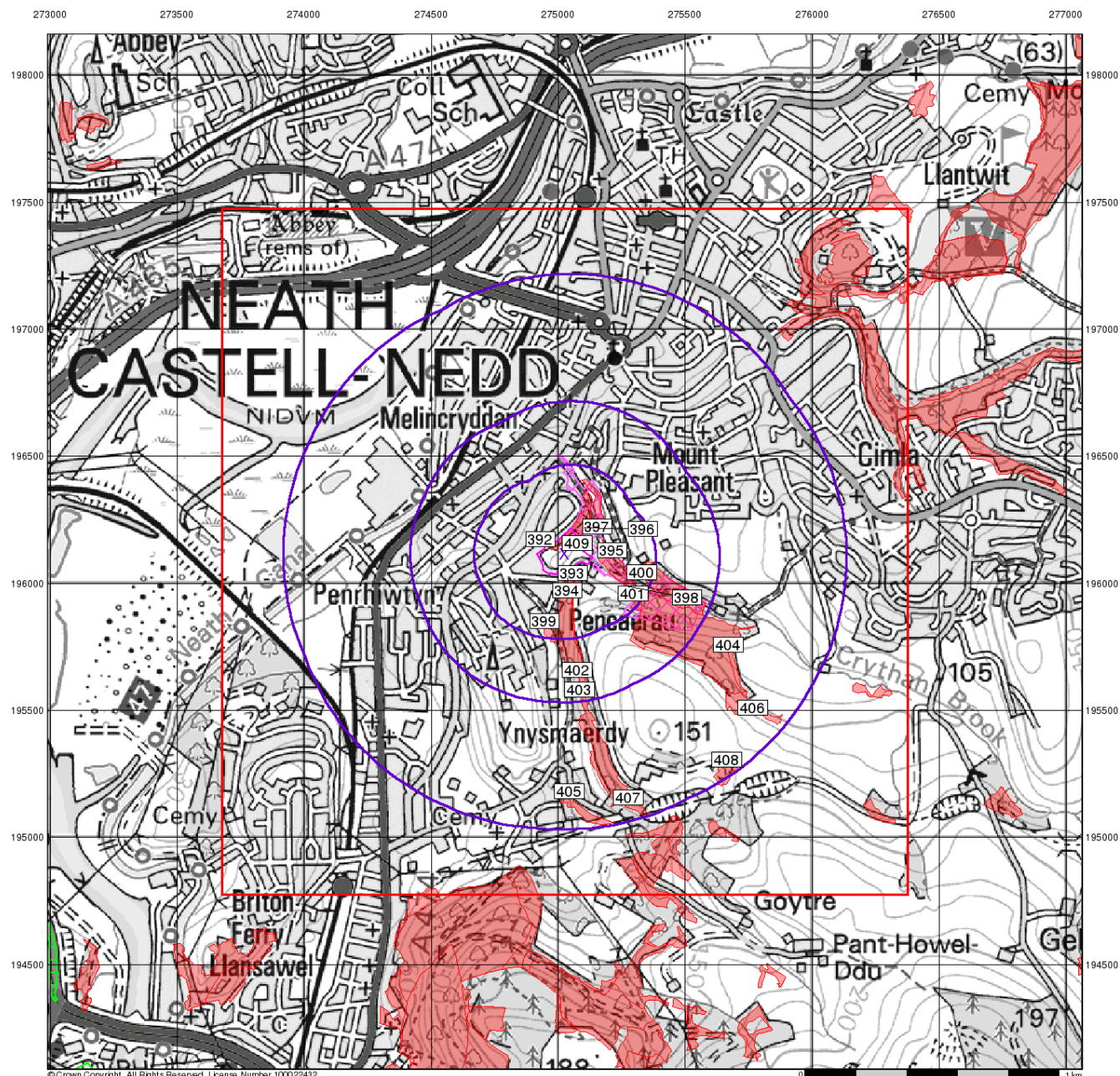
Order Number: 268406405_1_1
 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

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Intégral Géotechnique

Sensitive Land Uses

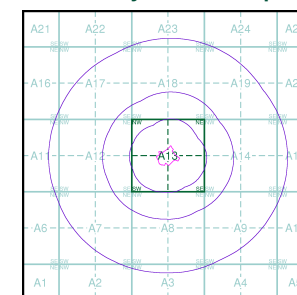
General

- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- NP National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

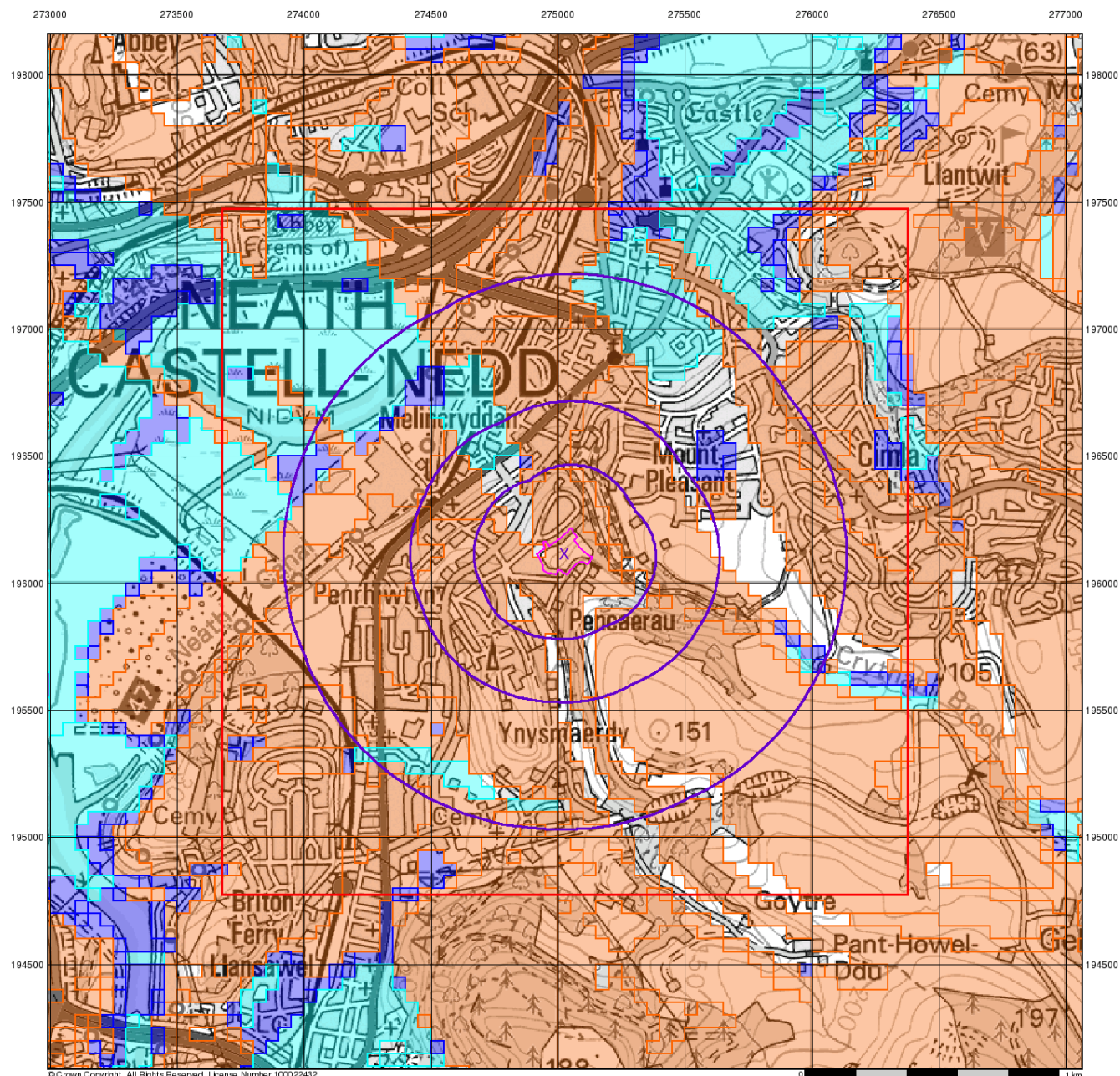
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 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

Site Details

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Intégral Géotechnique

BGS Flood GFS Data

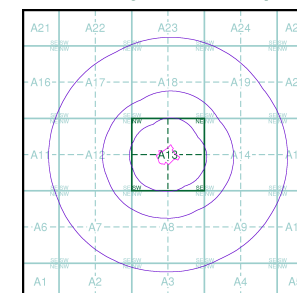
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 268406405_1_1
 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

Site Details

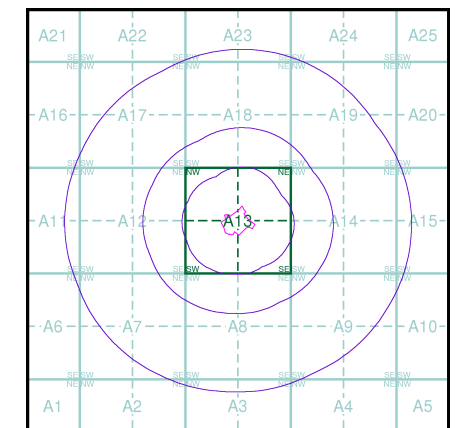
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Intégral Géotechnique

Industrial Land Use Map

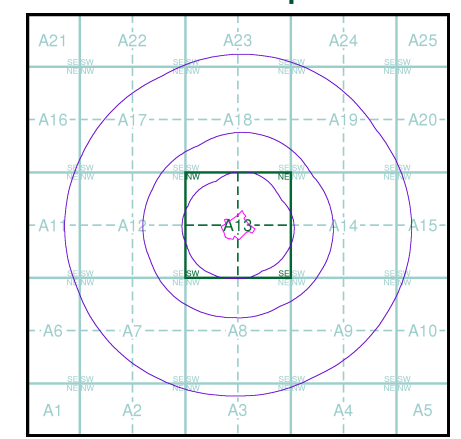
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

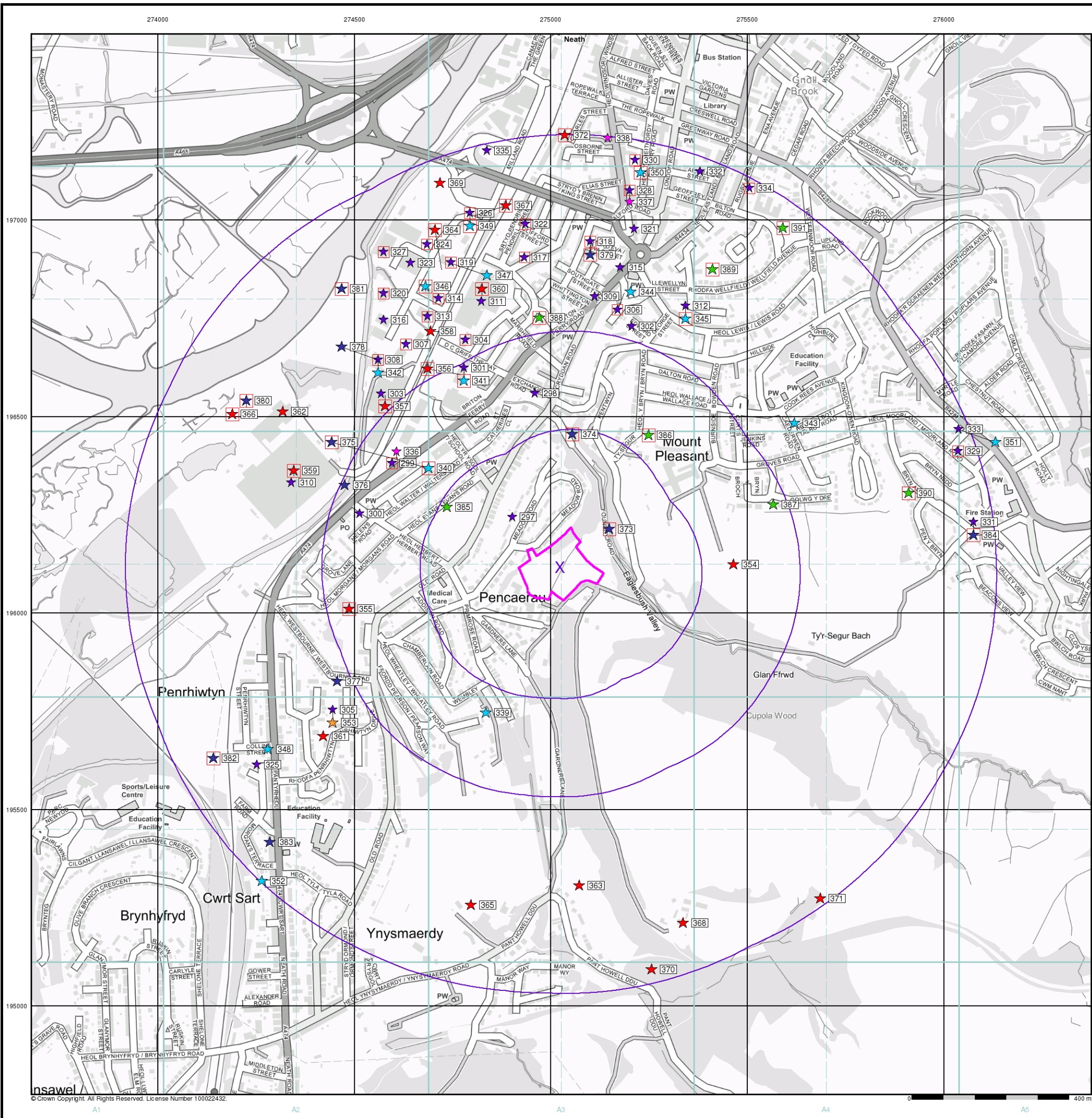
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Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

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Intégral Géotechnique

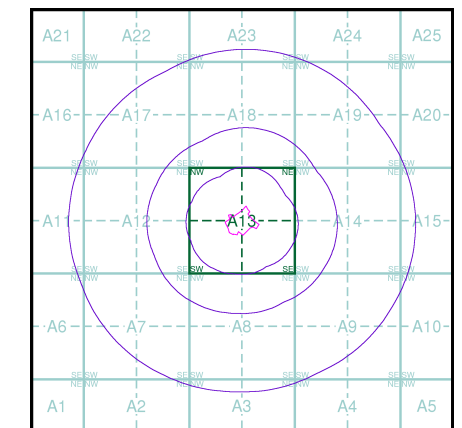
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

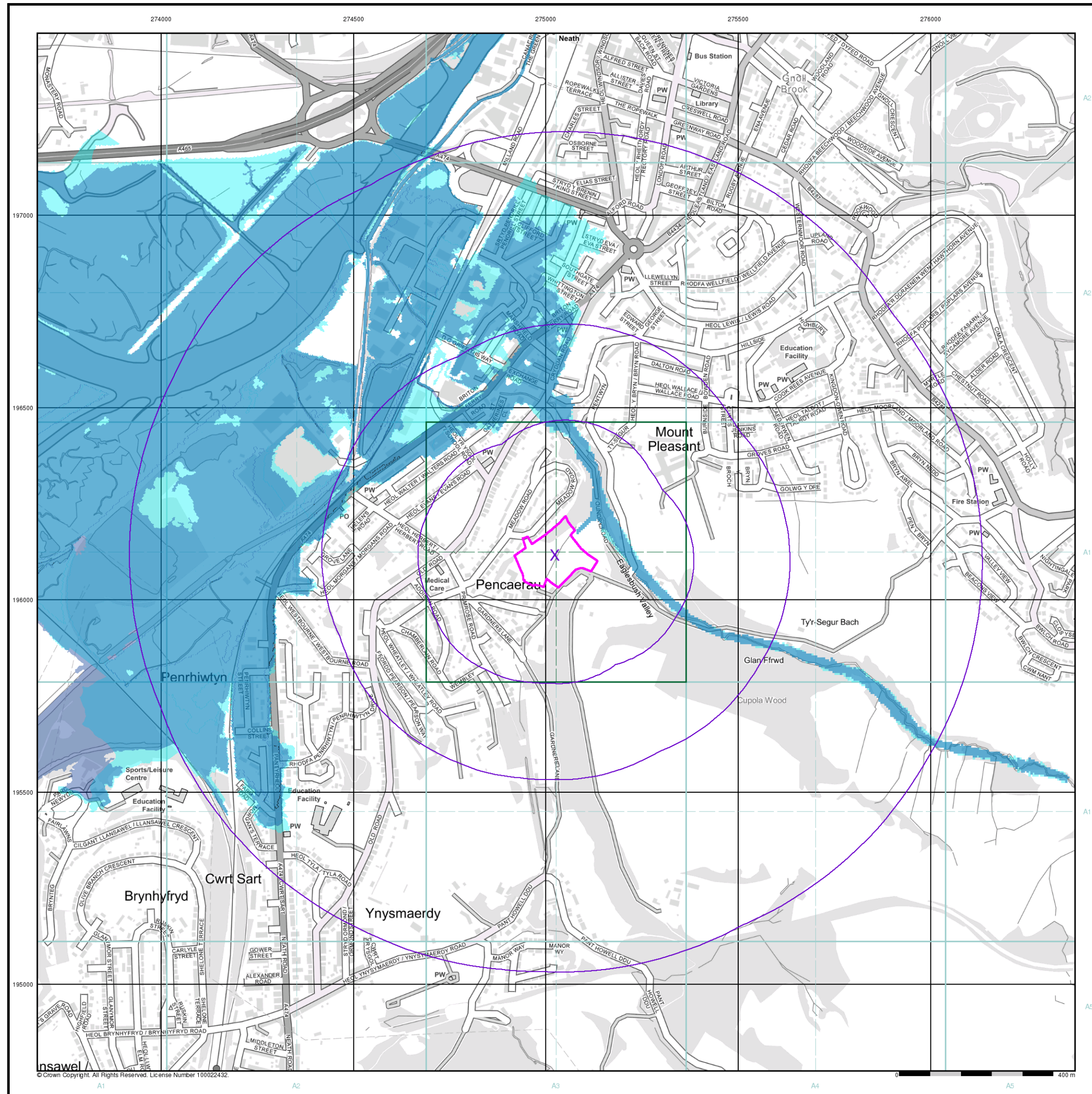
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Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

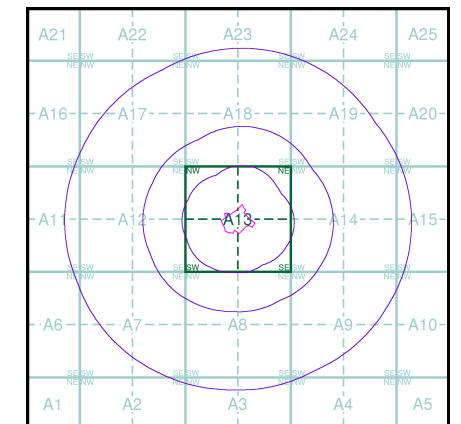
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Intégral Géotechnique

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

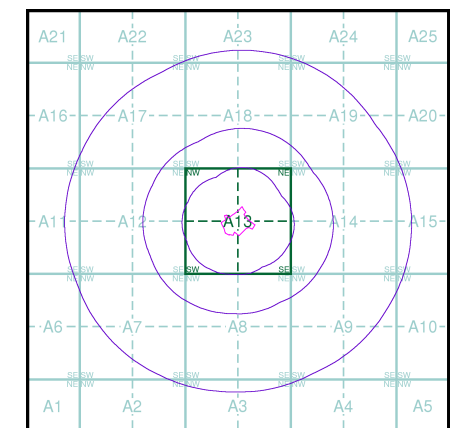
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Intégral Géotechnique

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

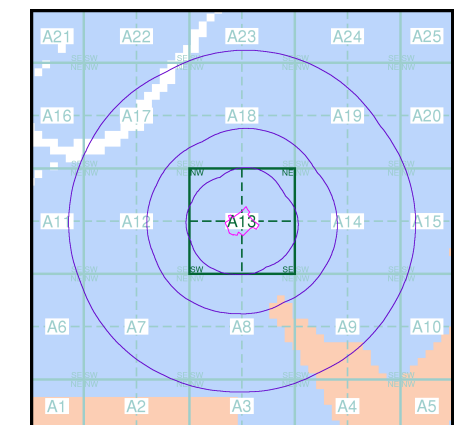
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

E/NRW Suitability Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Intégral Géotechnique

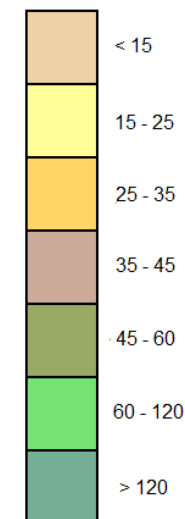
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Specified Site Specified Buffer(s) Bearing Reference Point

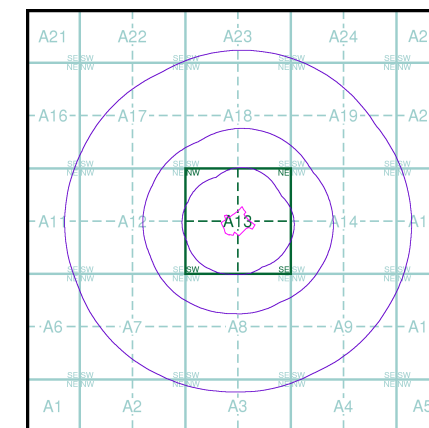
Urban Soil Chemistry Arsenic

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Arsenic Concentrations mg/kg



Urban Soil Chemistry Arsenic - Slice A



Order Details

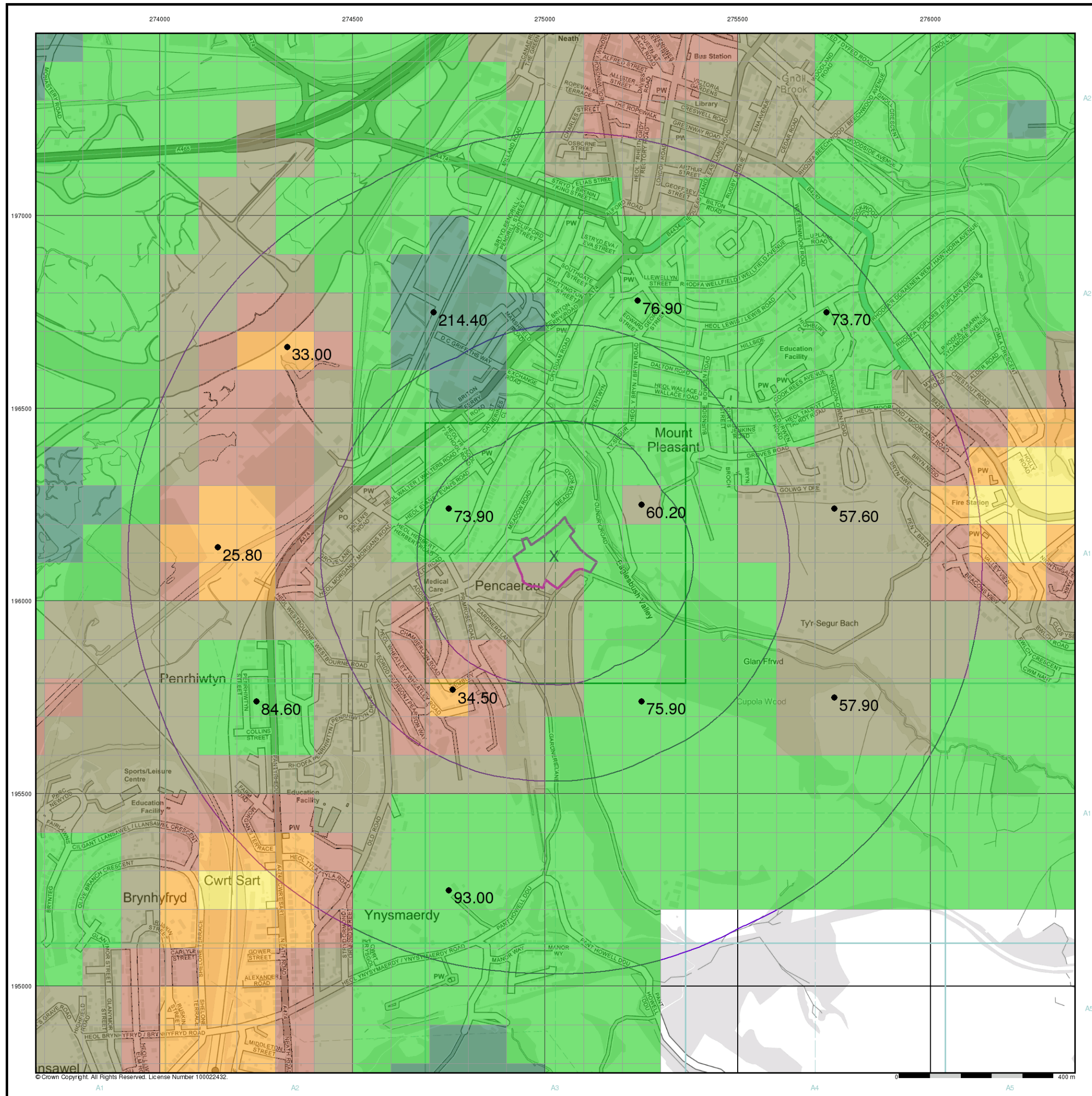
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Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

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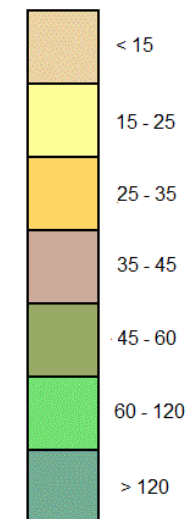
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General

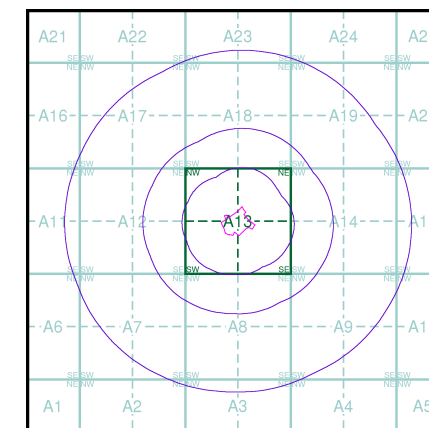
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
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Site Area (Ha): 2.09
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Web: www.envirocheck.co.uk

Intégral Géotechnique

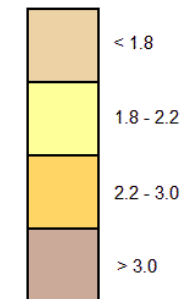
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Specified Site Specified Buffer(s) Bearing Reference Point

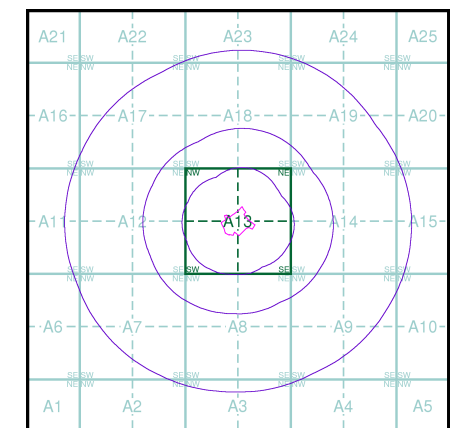
Urban Soil Chemistry Cadmium

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg



Urban Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

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Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk

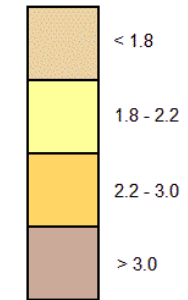
Intégral Géotechnique

General

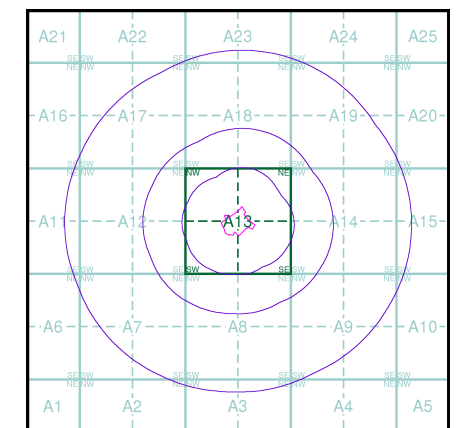
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

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Intégral Géotechnique

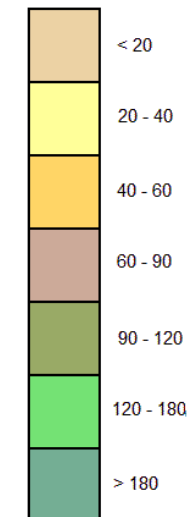
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Specified Site Specified Buffer(s) Bearing Reference Point

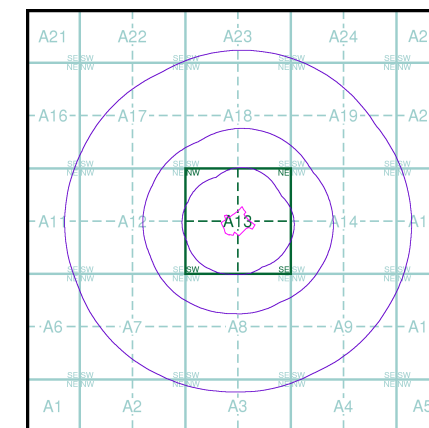
Urban Soil Chemistry Chromium

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentrations mg/kg



Urban Soil Chemistry Chromium - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

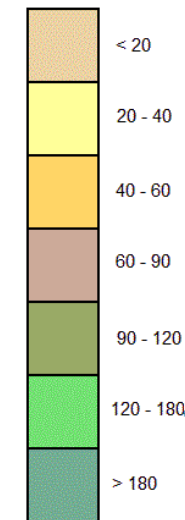
Intégral Géotechnique

General

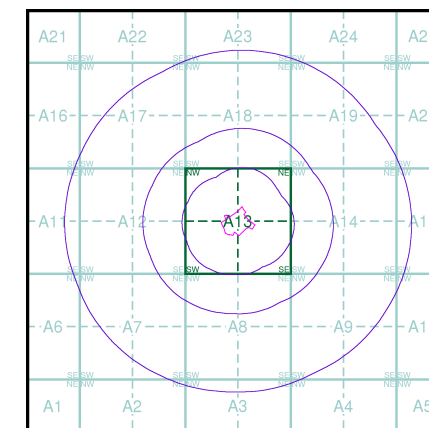
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

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INFORMATION GROUP

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Intégral Géotechnique

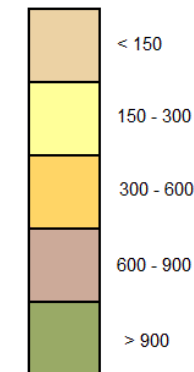
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Specified Site Specified Buffer(s) Bearing Reference Point

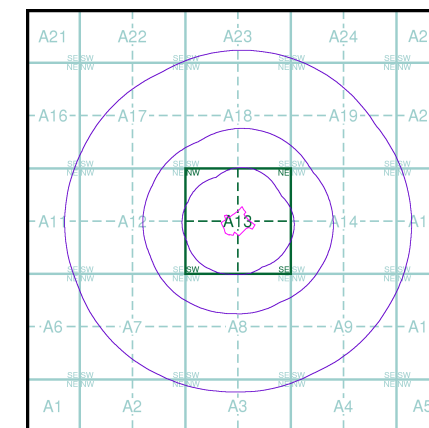
Urban Soil Chemistry Lead

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Lead Concentrations mg/kg



Urban Soil Chemistry Lead - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

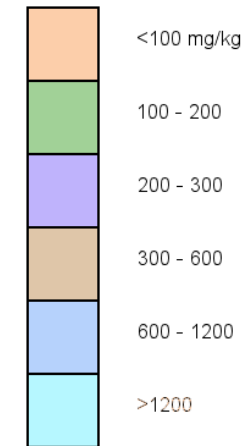
Intégral Géotechnique

General

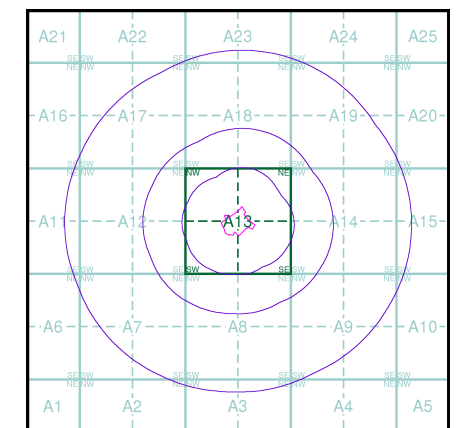
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
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Intégral Géotechnique

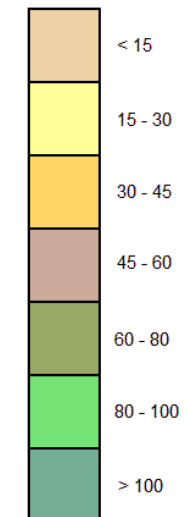
General

Specified Site Specified Buffer(s) Bearing Reference Point

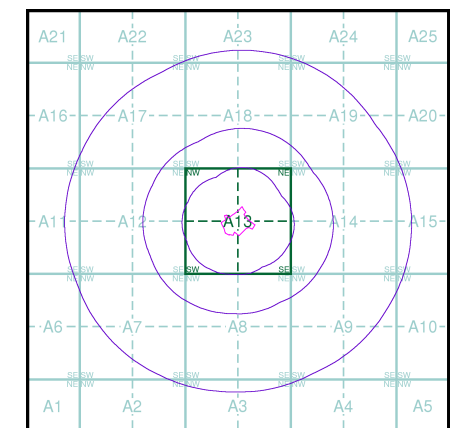
Urban Soil Chemistry Nickel

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Nickel Concentrations mg/kg



Urban Soil Chemistry Nickel - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
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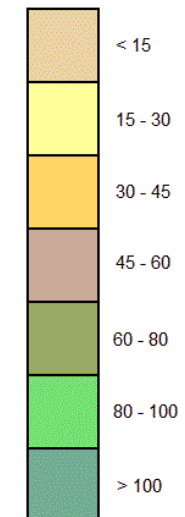
Intégral Géotechnique

General

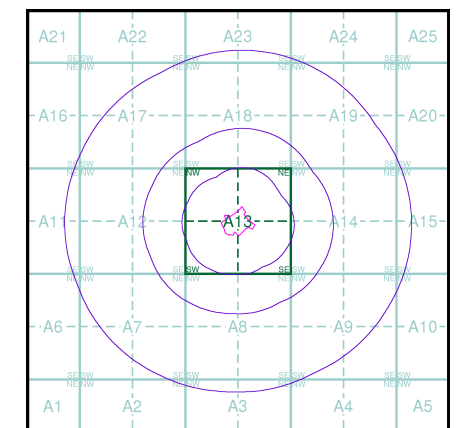
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

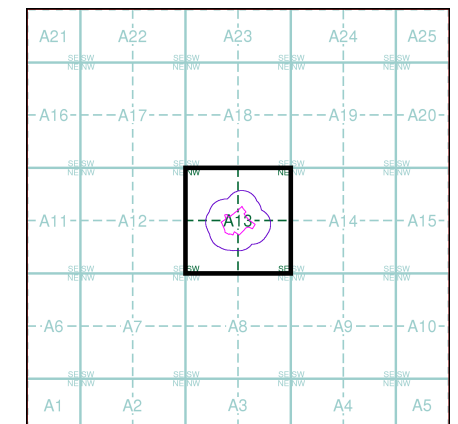
Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk

General

- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Types at Location
 - Pylon
 - Overhead Transmission Line
- ## Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- ## Hazardous Substances
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- ## Waste
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13

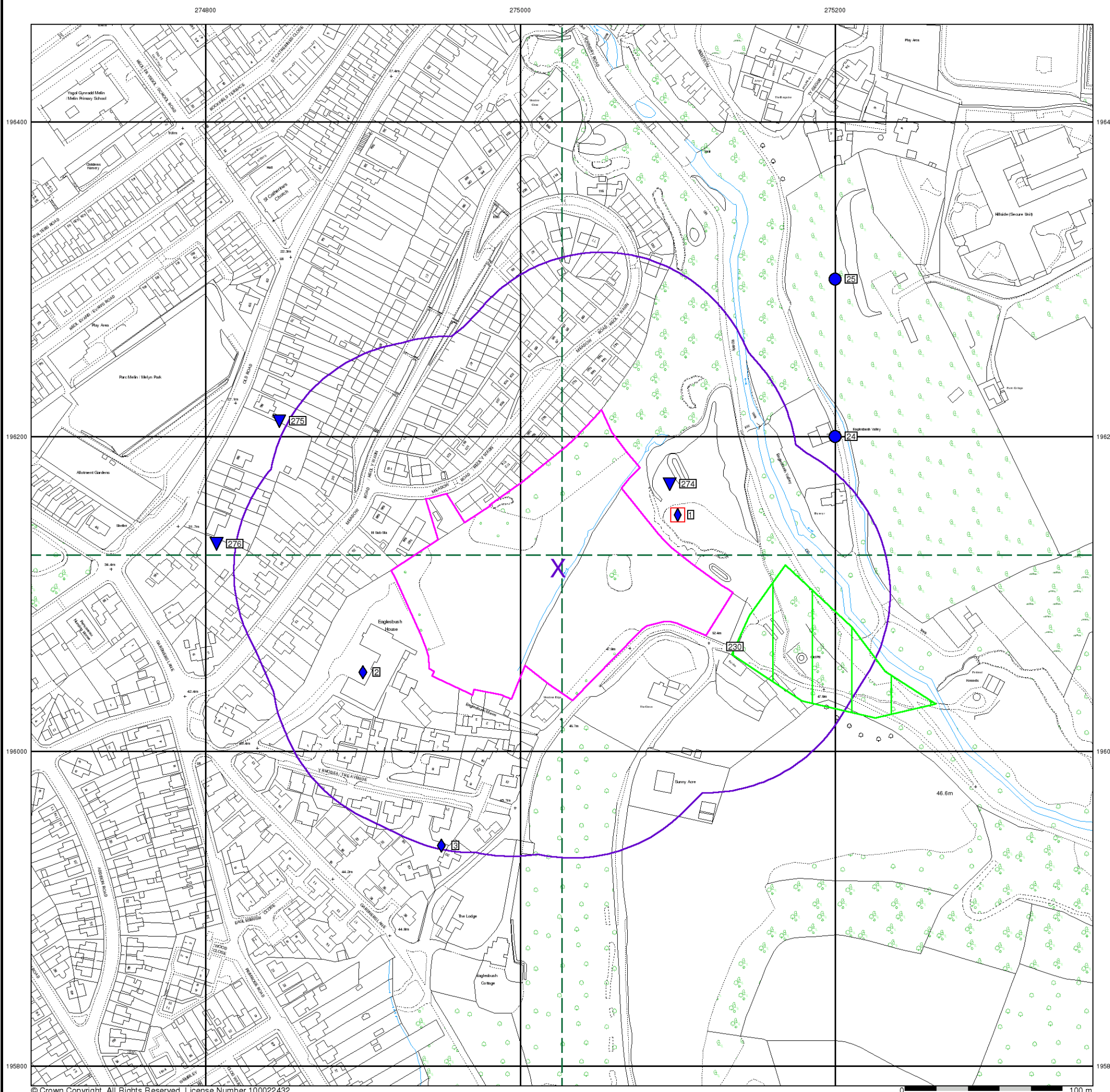


Order Details

Order Number: 268406405_1_1
 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Plot Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	PEAT	Peat	Peat	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	H	Hughes Member	Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Sandstone	Not Supplied - Westphalian
	SW	Swansea Member	Sandstone	Not Supplied - Westphalian
	SW	Swansea Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	GDB	Grovesend Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	GDB	Grovesend Formation	Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		

Intégral Géotechnique

Geology 1:50,000 Maps

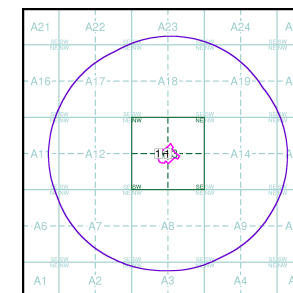
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 247
Map Name: Swansea
Map Date: 2011
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A

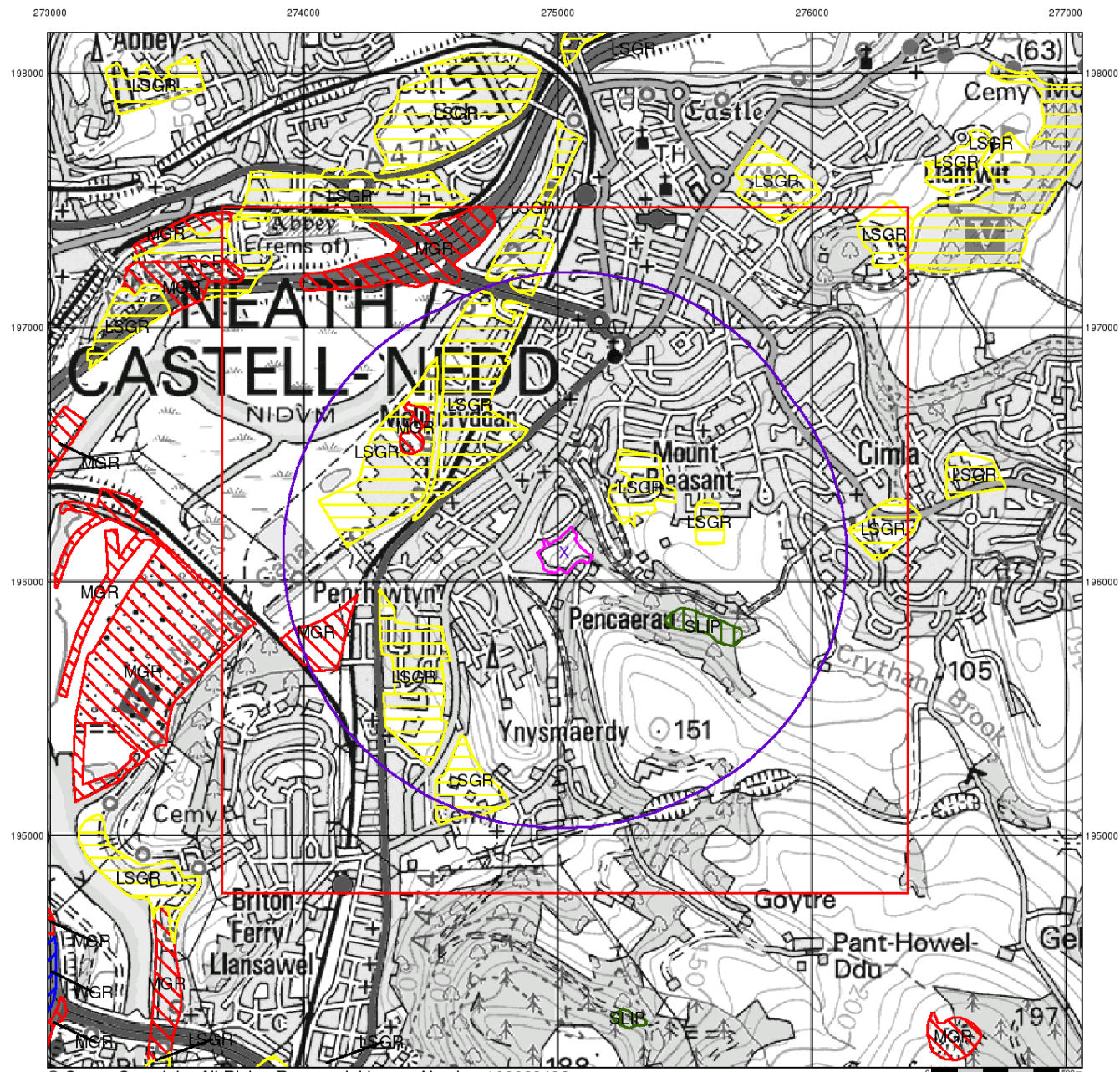


Order Details:

Order Number: 268406405_1_1
Customer Reference: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details:

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Intégral Géotechnique

Artificial Ground and Landslip

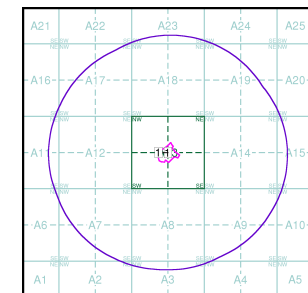
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 268406405_1_1
Customer Reference: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details:

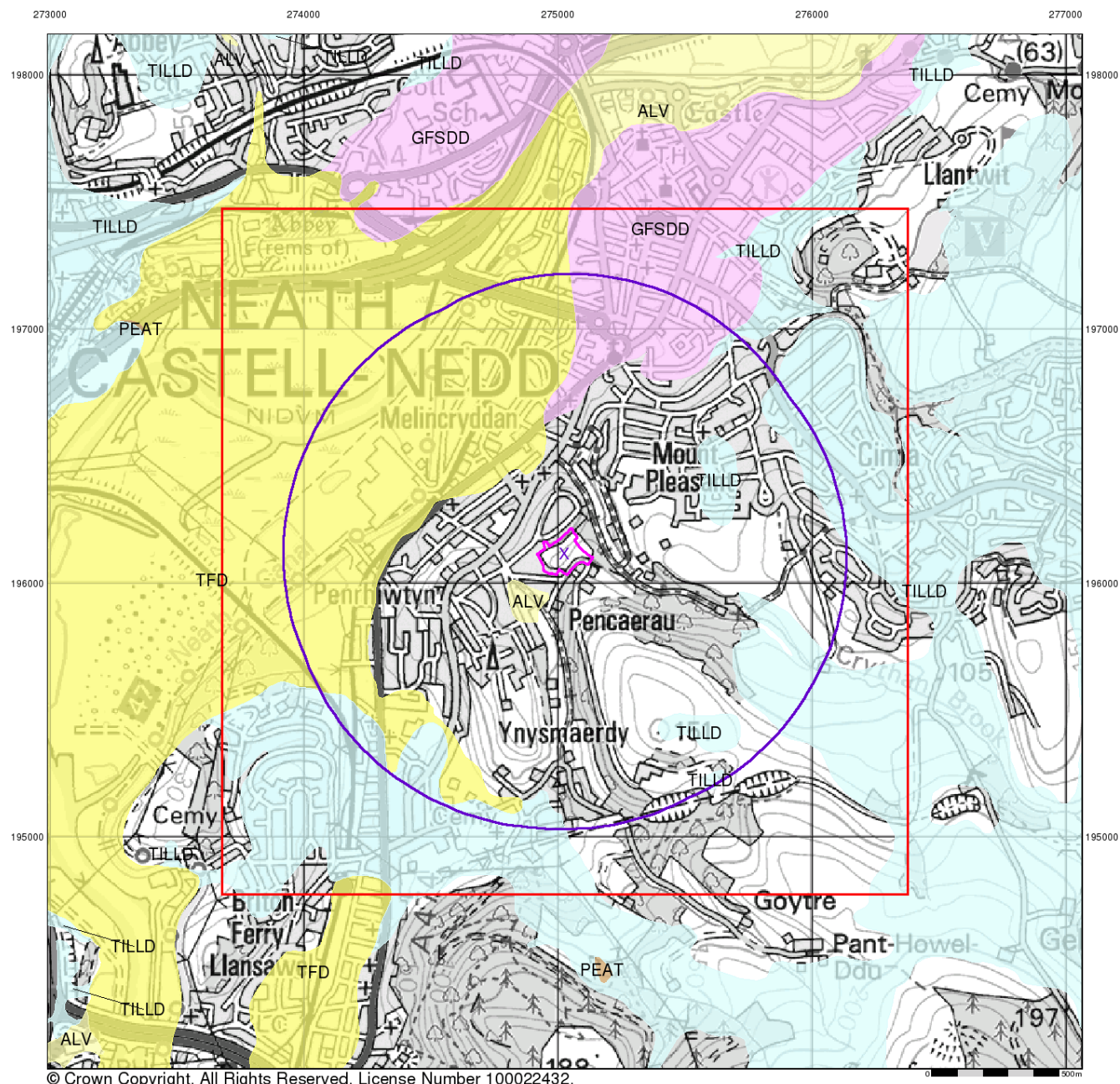
Eaglebush, Neath, SA11 2AF

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v15.0 20-Nov-2020

Page 2 of 5



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Intégral Géotechnique

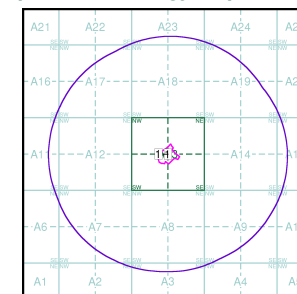
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

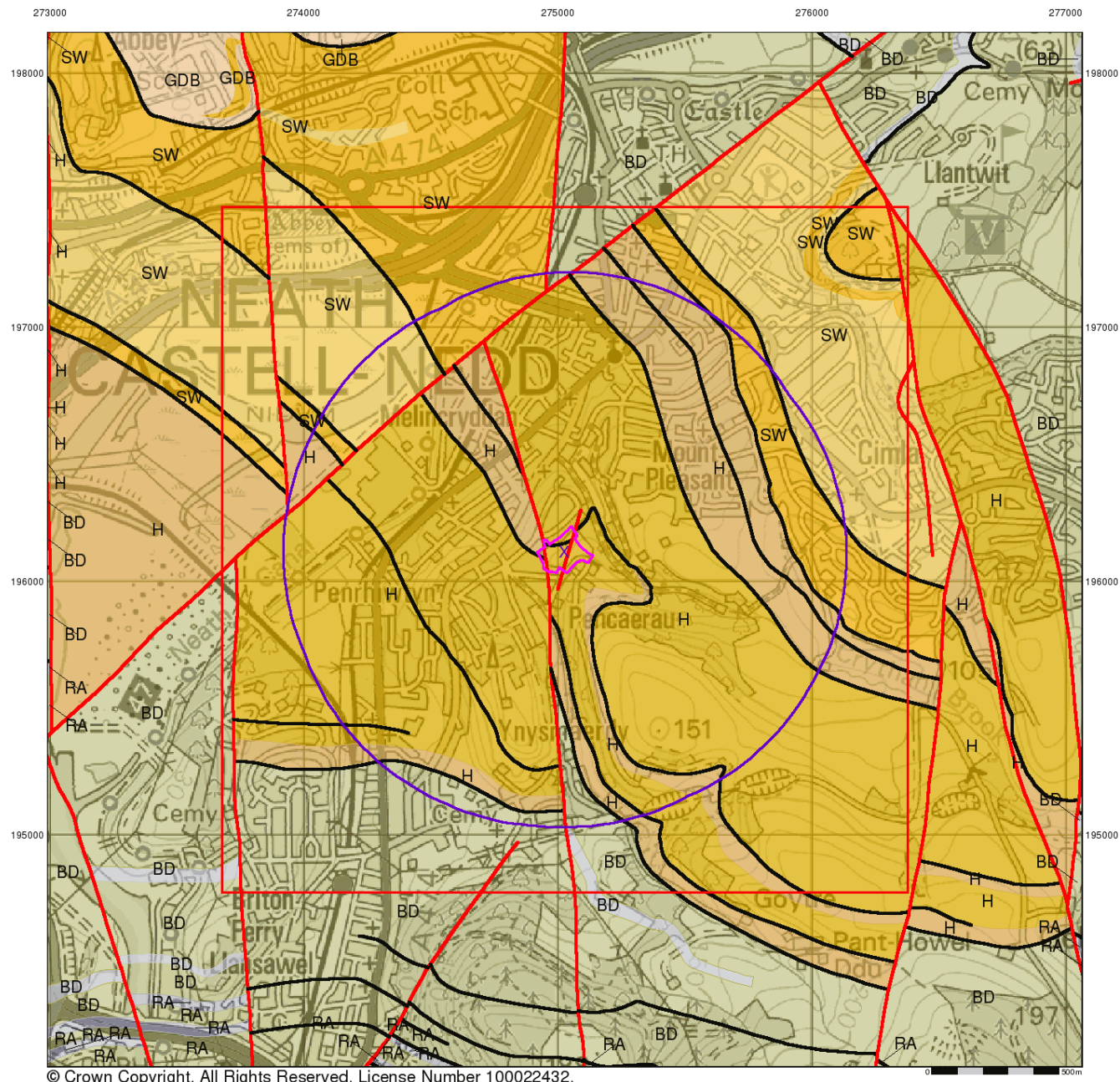
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Customer Reference: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details:

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Intégral Géotechnique

Bedrock and Faults

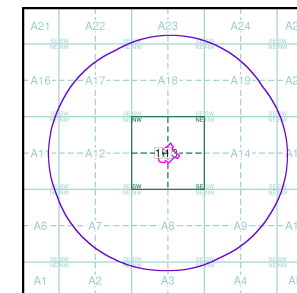
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

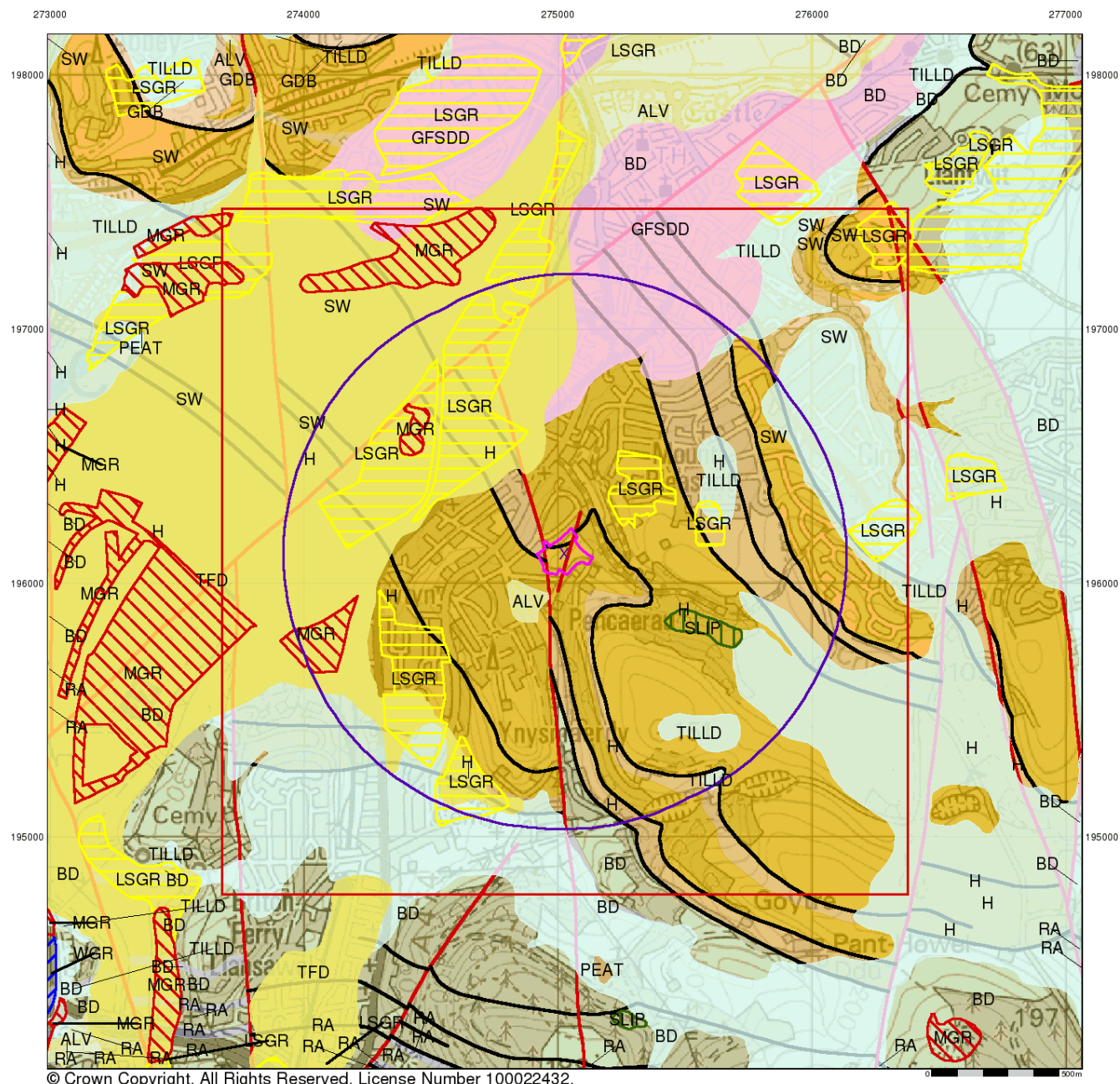
Order Number: 268406405_1_1
 Customer Reference: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

Site Details:

Eaglebush, Neath, SA11 2AF

Landmark
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 Web: www.ernirocheck.co.uk



Intégral Géotechnique

Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

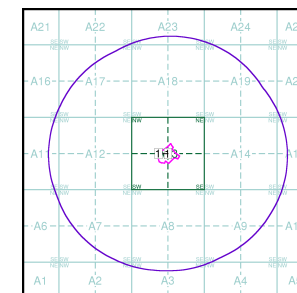
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number: 268406405_1_1
Customer Reference: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
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Site Details:

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Landmark
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS		Ch
	CH		F E Sta
	FB		Fn
	GP		MP
	MS		Pol Sta
	PO		PC
	PH		SB
	Spr		TCB
	TCP		W

1:10,000 Raster Mapping

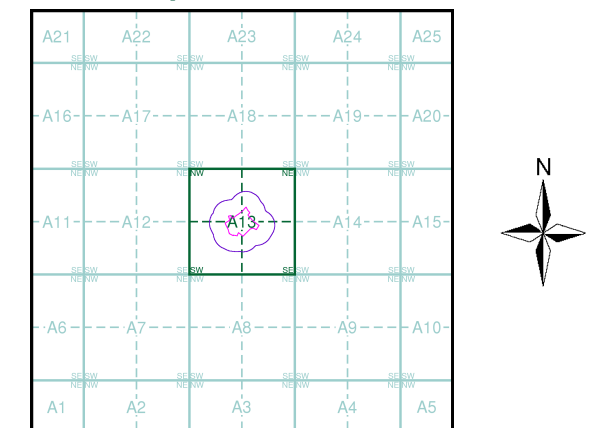
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1936	7
Glamorganshire	1:10,560	1938 - 1951	8
Historical Aerial Photography	1:10,560	1945 - 1949	9
Glamorganshire	1:10,560	1951 - 1952	10
Ordnance Survey Plan	1:10,000	1964 - 1965	11
Ordnance Survey Plan	1:10,000	1970 - 1974	12
Swansea	1:10,000	1976	13
Ordnance Survey Plan	1:10,000	1980 - 1983	14
Ordnance Survey Plan	1:10,000	1992 - 1996	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2020	18

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Small Bridge Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180 180 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

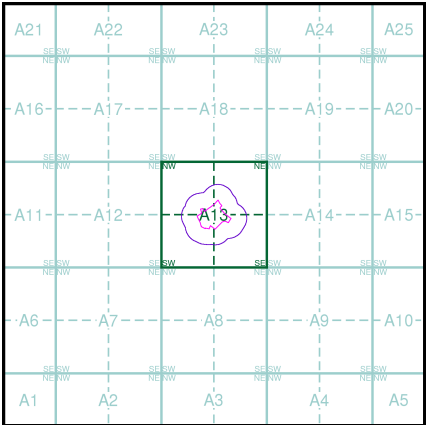
Key to Numbers on Mapping

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1936	7
Glamorganshire	1:10,560	1938 - 1951	8
Historical Aerial Photography	1:10,560	1945 - 1949	9
Glamorganshire	1:10,560	1951 - 1952	10
Ordnance Survey Plan	1:10,000	1964 - 1965	11
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Swansea	1:10,000	1976	13
Ordnance Survey Plan	1:10,000	1980 - 1983	14
Ordnance Survey Plan	1:10,000	1992 - 1996	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2020	18

Russian Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

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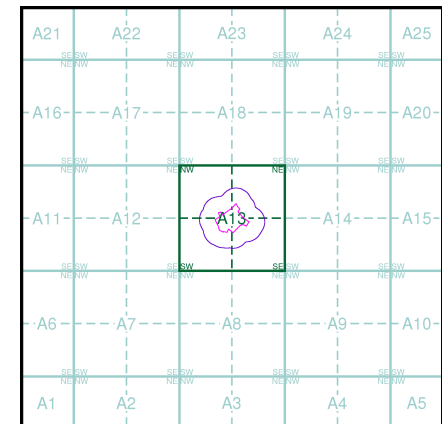
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

01500 1884 1:10,560	01600 1884 1:10,560
02400 1884 1:10,560	02500 1884 1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

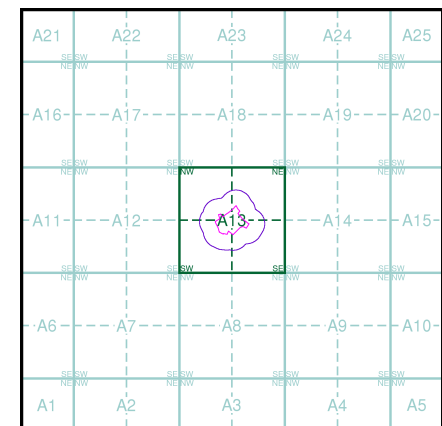
Eaglebush, Neath, SA11 2AF

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

015SE 1900 1:10,560	016SW 1900 1:10,560
024NE 1900 1:10,560	025NW 1900 1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

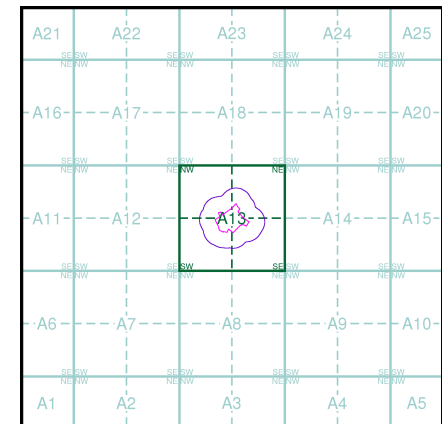
Eaglebush, Neath, SA11 2AF

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

015SE 1921 1:10,560	016SW 1921 1:10,560
024NE 1921 1:10,560	025NW 1921 1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

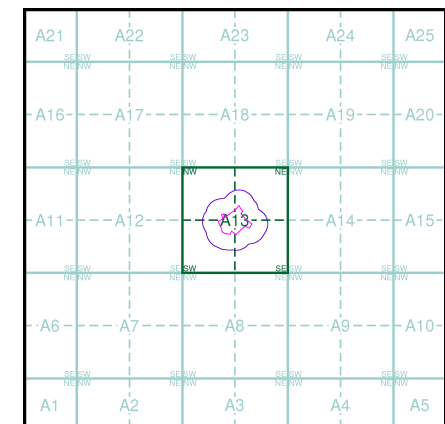
Eaglebush, Neath, SA11 2AF

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

015SE 1921 1:10,560	
024NE 1921 1:10,560	

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

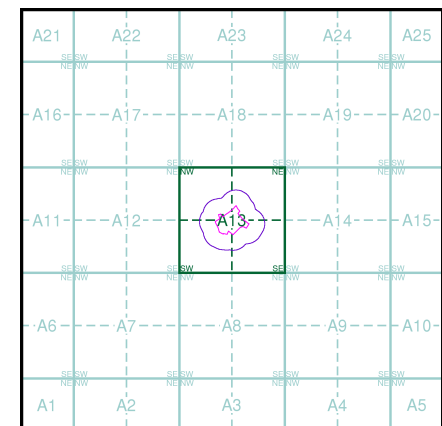
Eaglebush, Neath, SA11 2AF

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

016SW
1936
1:10,560
025NW
1936
1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

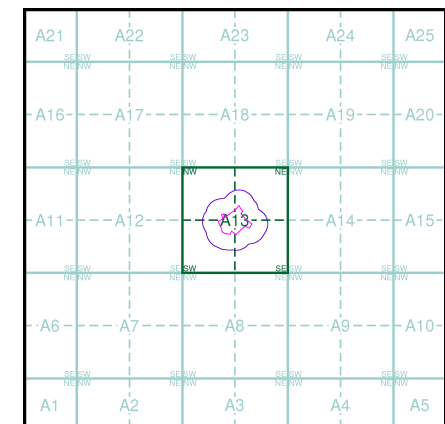
Eaglebush, Neath, SA11 2AF

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

015SE 1940 1:10,560	016SW 1938 1:10,560
024NE 1938 1:10,560	025NW 1951 1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Historical Aerial Photography

Published 1945 - 1949

Source map scale - 1:10,560

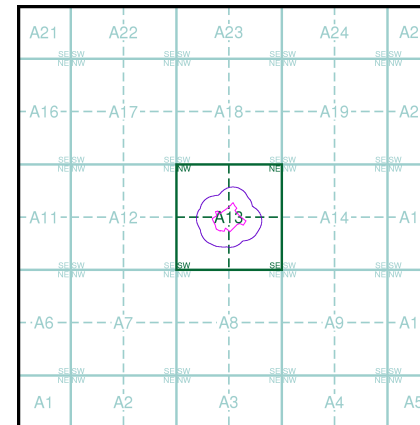
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

SS79NW 1945 1:10,560	SS79NE 1949 1:10,560
SS79SW 1949 1:10,560	SS79SE 1949 1:10,560

Historical Aerial Photography - Slice A



LIBRARY
HSILIRB

Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

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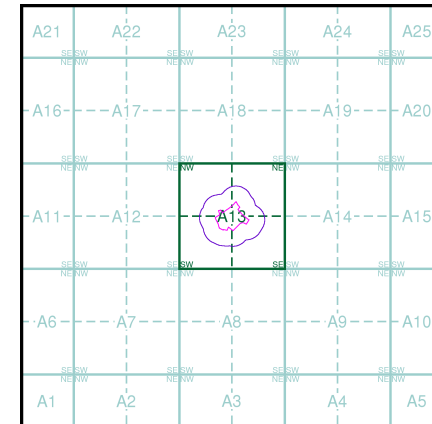
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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Map Name(s) and Date(s)

015SE 1952 1:10,560	016SW 1951 1:10,560
024NE 1951 1:10,560	

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Ordnance Survey Plan

Published 1964 - 1965

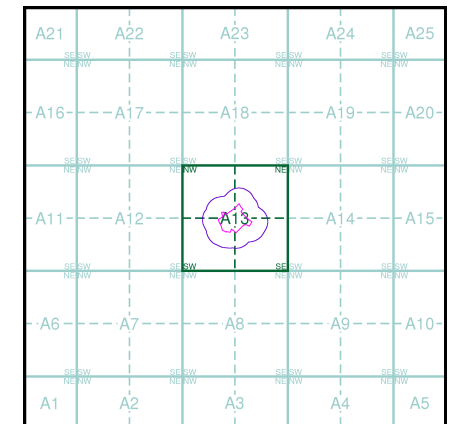
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SS79NW	SS79NE
1965	1964
1:10,560	1:10,560
SS79SW	SS79SE
1964	1964
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Ordnance Survey Plan

Published 1970 - 1974

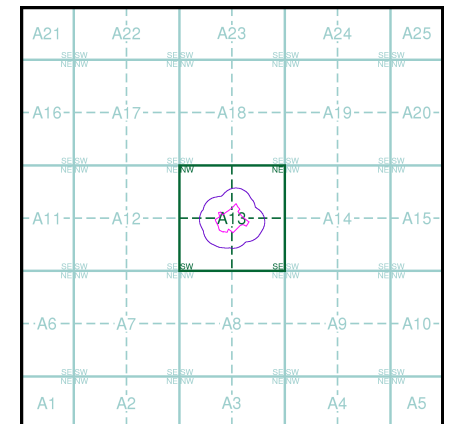
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SS79NW	SS79NE
1970	1973
1:10,560	1:10,000
	SS79SE
	1974
	1:10,560

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Swansea

Published 1976

Source map scale - 1:10,000

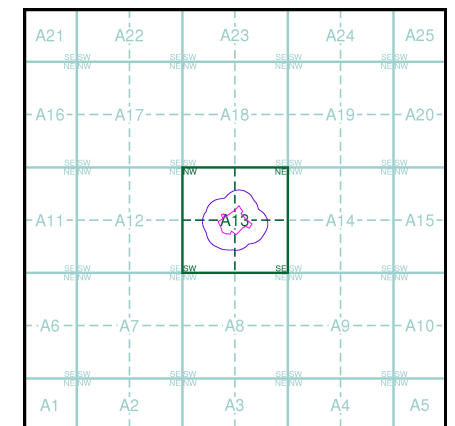
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SS79NW
1976
1:10,000
SS79SW
1976
1:10,000

Russian Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Ordnance Survey Plan

Published 1980 - 1983

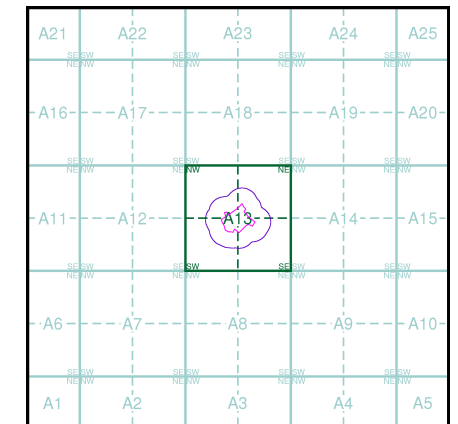
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SS79NW	SS79NE
1980	1983
1:10,000	1:10,000
SS79SW	SS79SE
1980	1980
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Ordnance Survey Plan

Published 1992 - 1996

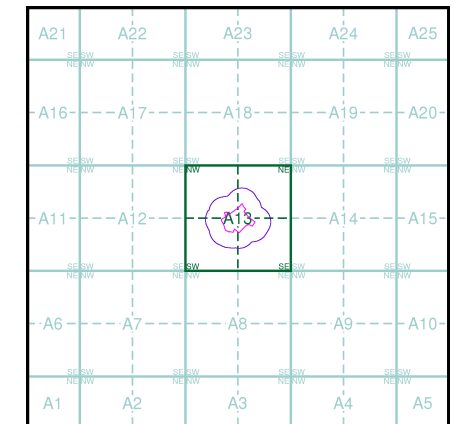
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SS79NW	SS79NE
1992	1992
1:10,000	1:10,000
	SS79SE
	1996
	1:10,000

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Intégral Géotechnique

10k Raster Mapping

Published 1999

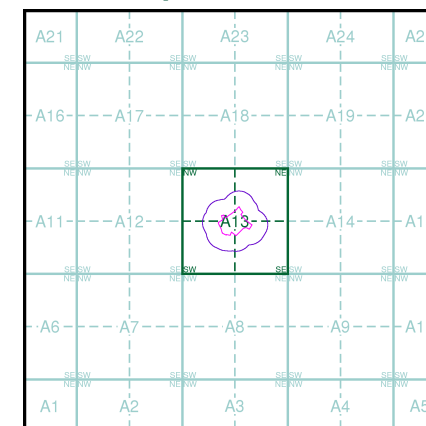
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SS79NW	SS79NE
1999	1999
1:10,000	1:10,000
SS79SW	SS79SE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

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Intégral Géotechnique

10k Raster Mapping

Published 2006

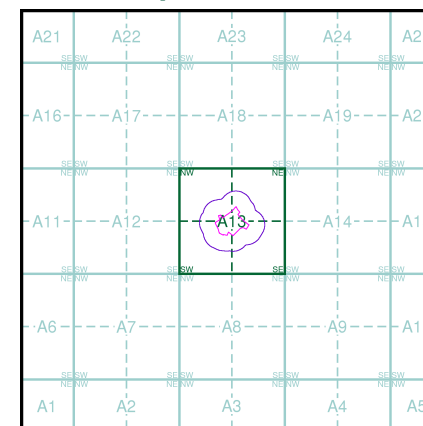
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SS79NW	SS79NE
2006	2006
1:10,000	1:10,000
SS79SW	SS79SE
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

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VectorMap Local

Published 2020

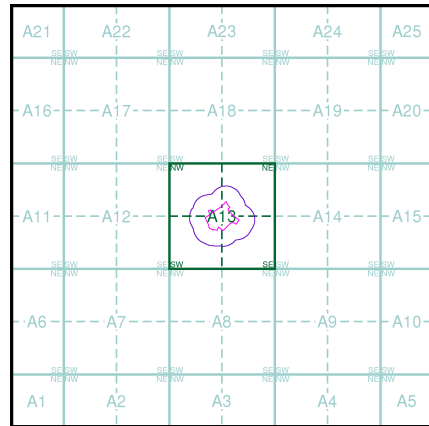
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SS79NW	SS79NE
2020	2020
Variable	Variable
SS79SW	SS79SE
2020	2020
Variable	Variable

Historical Map - Slice A



Order Details

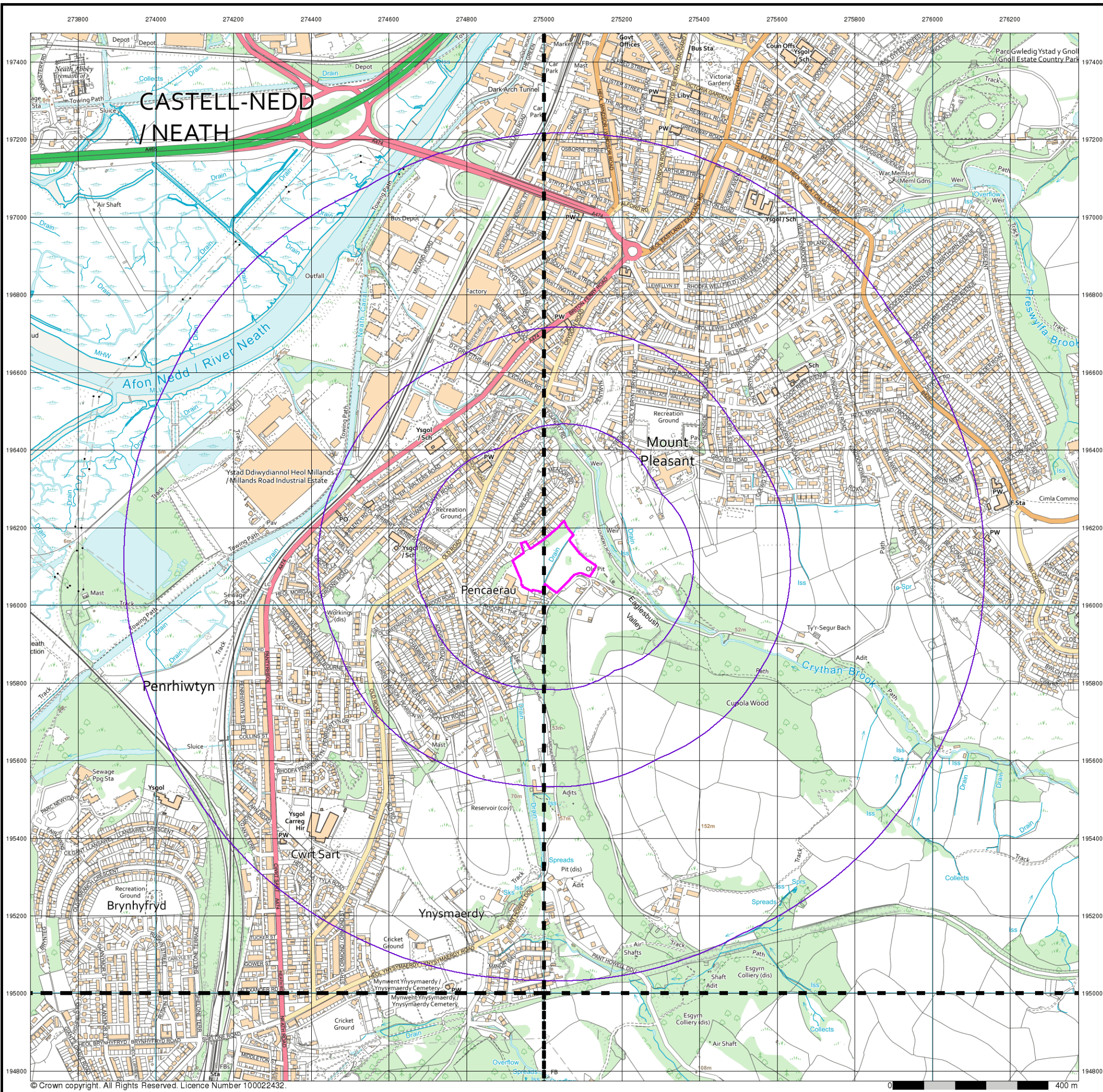
Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

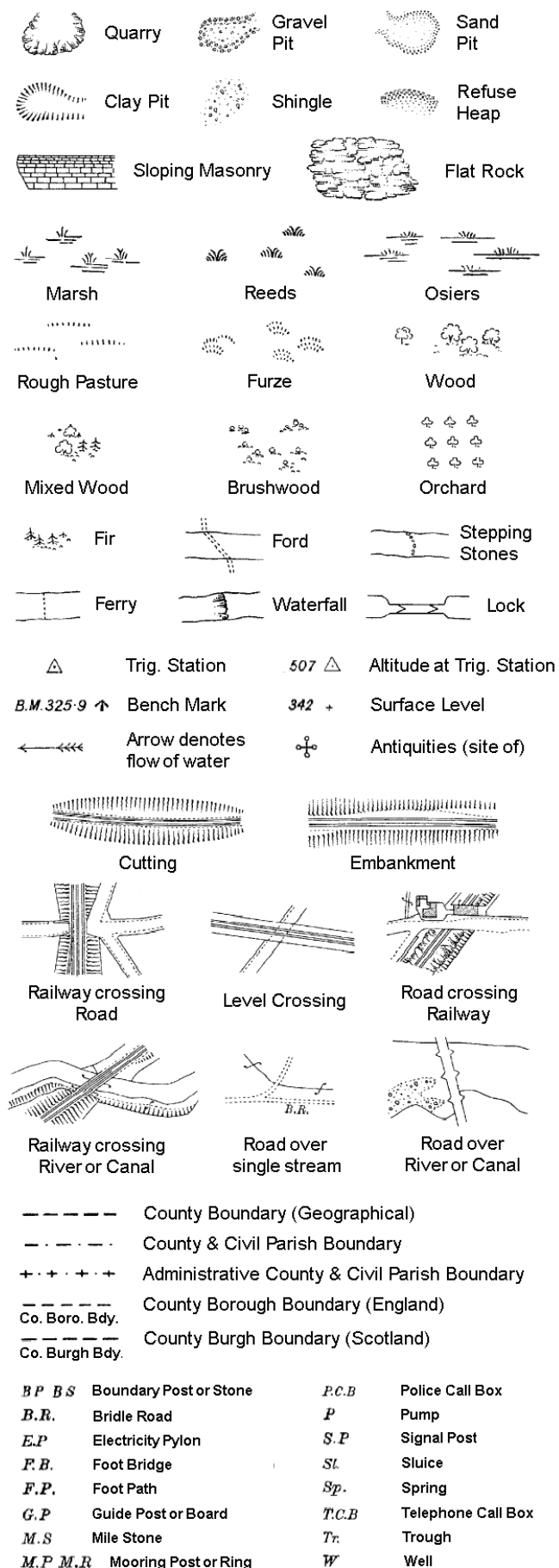


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Historical Mapping Legends

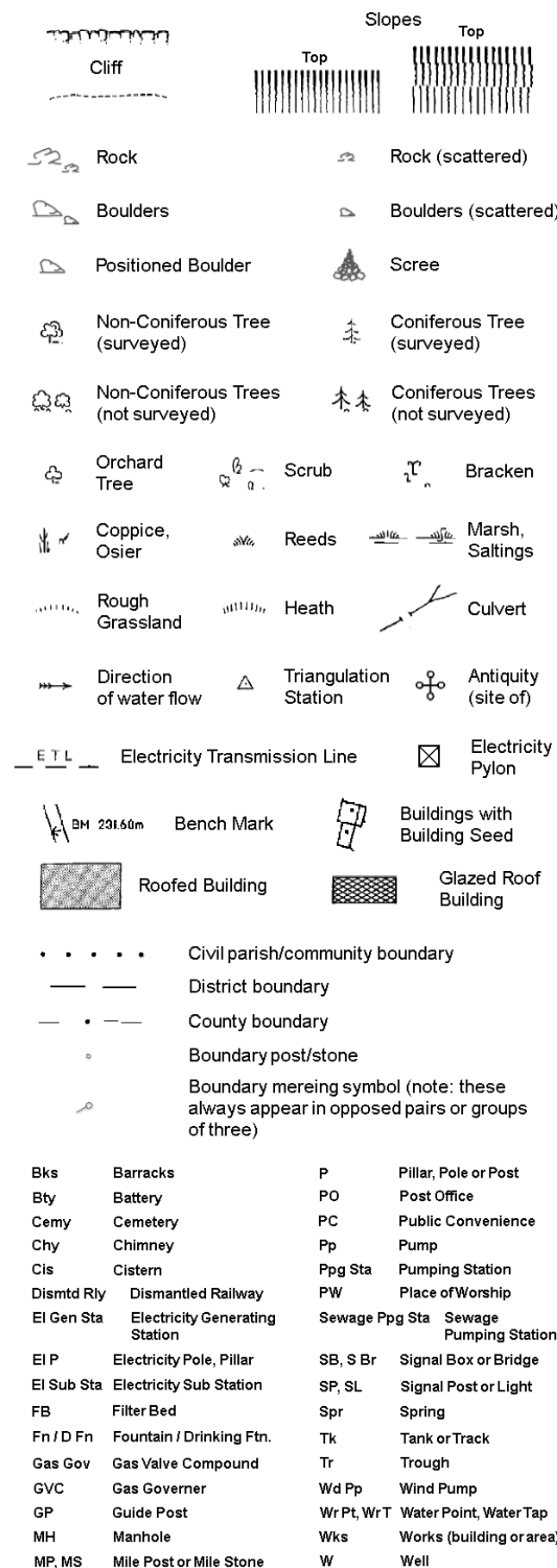
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



Large-Scale National Grid Data 1:2,500 and 1:1,250

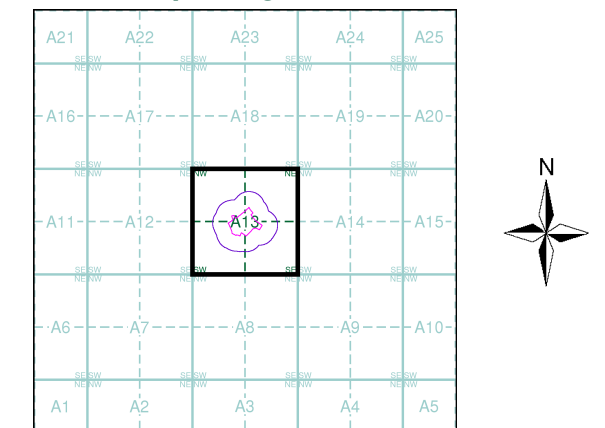


Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1881	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1919	4
Glamorganshire	1:2,500	1935	5
Ordnance Survey Plan	1:1,250	1951	6
Ordnance Survey Plan	1:2,500	1952 - 1970	7
Ordnance Survey Plan	1:1,250	1958 - 1967	8
Ordnance Survey Plan	1:2,500	1964 - 1970	9
Ordnance Survey Plan	1:2,500	1964	10
Ordnance Survey Plan	1:1,250	1967 - 1968	11
Additional SIMs	1:1,250	1979 - 1989	12
Additional SIMs	1:1,250	1987 - 1989	13
Additional SIMs	1:1,250	1989	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:2,500	1993	16
Large-Scale National Grid Data	1:1,250	1995	17
Historical Aerial Photography	1:2,500	2000	18

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

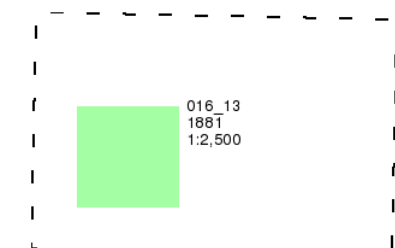
Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

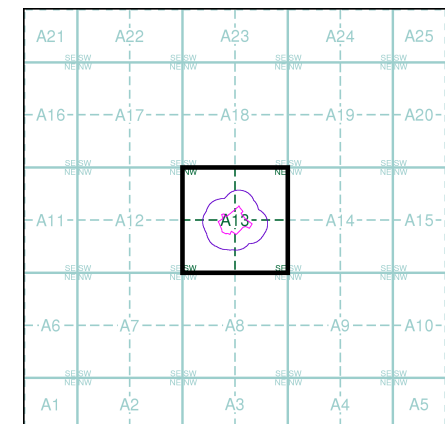
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

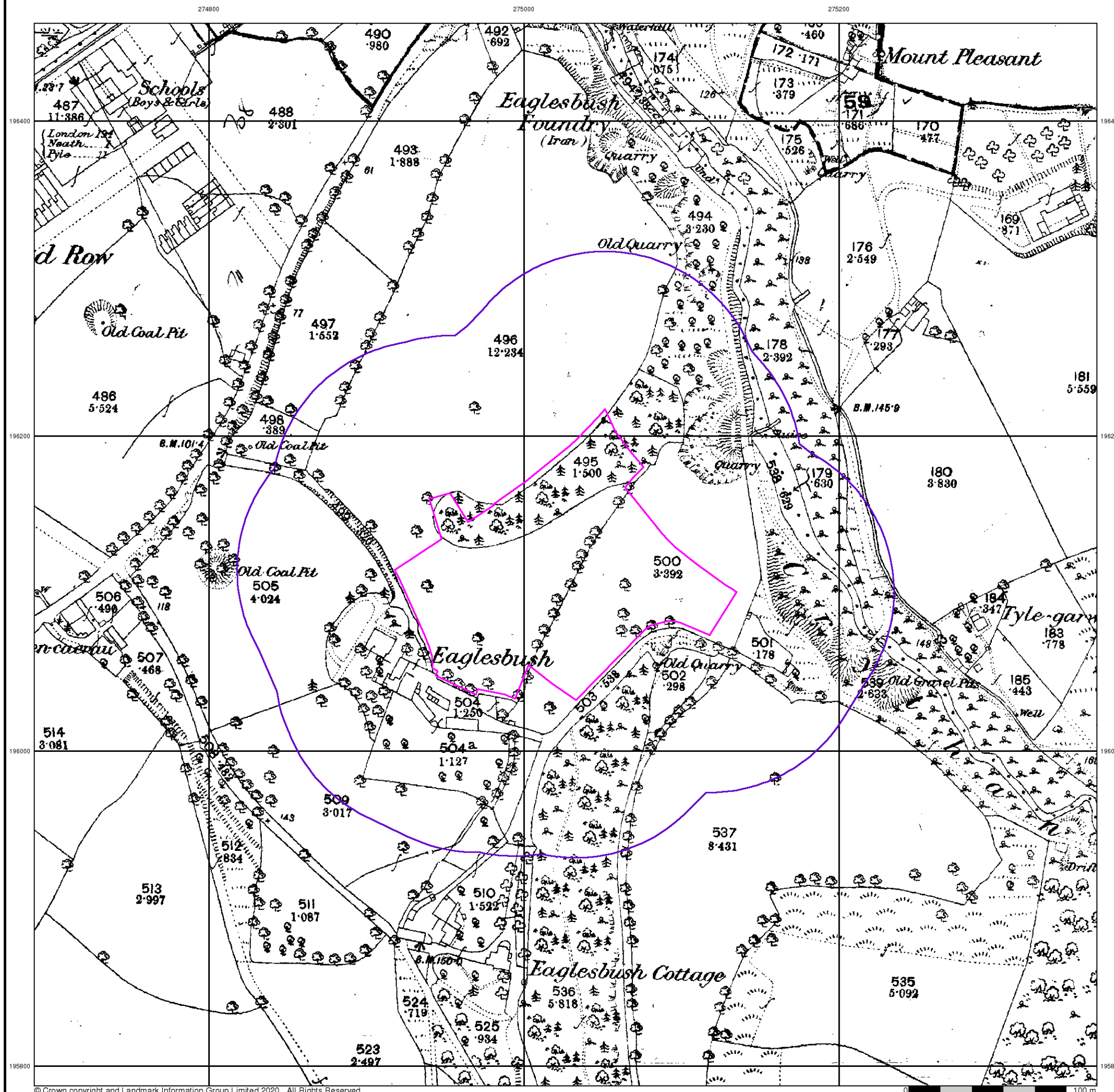


Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

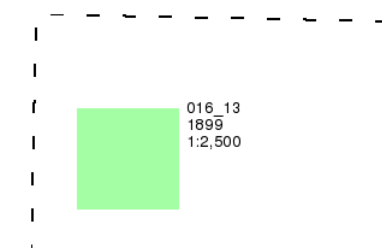
Site Details

Eaglesbush, Neath, SA11 2AF

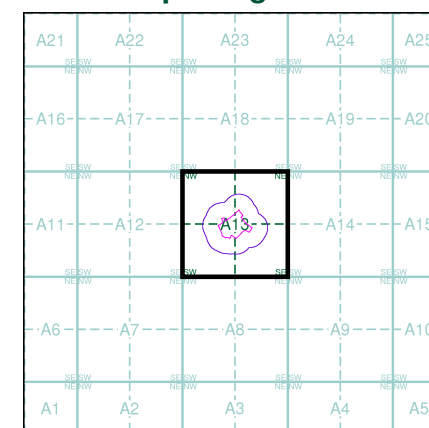


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

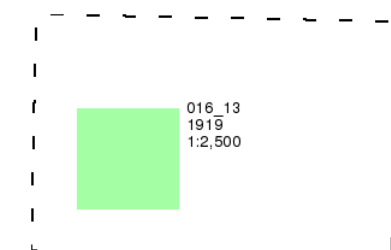
Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

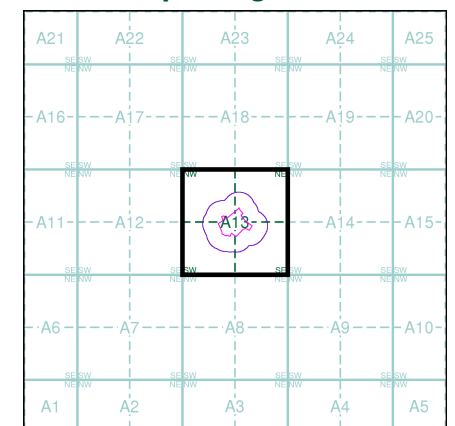
Eaglesbush, Neath, SA11 2AF

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

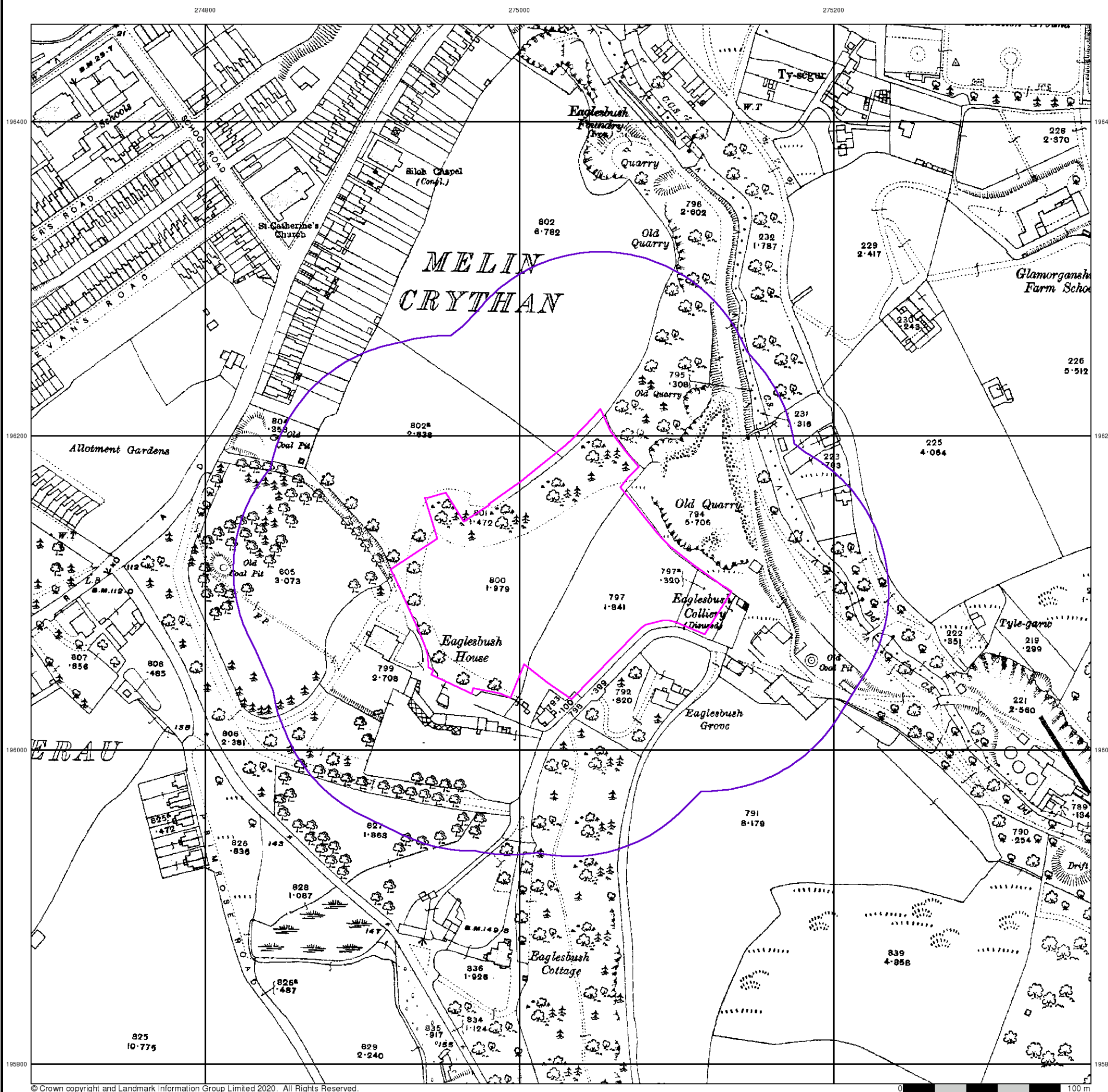


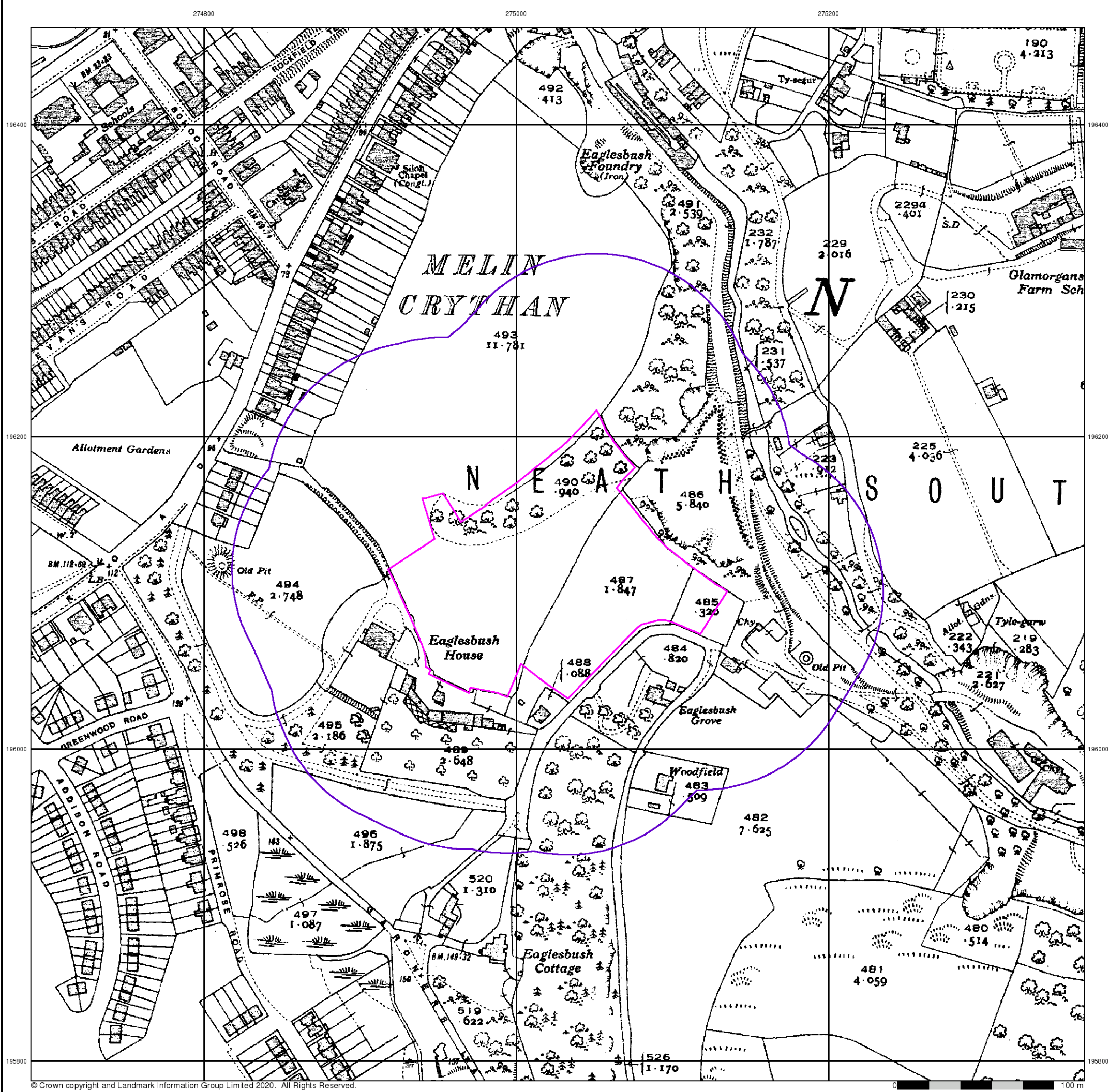
Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF





Intégral Géotechnique

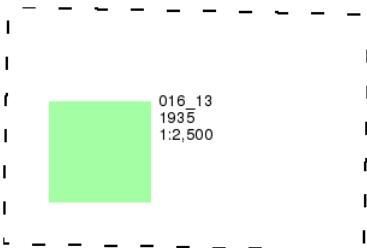
Glamorganshire

Published 1935

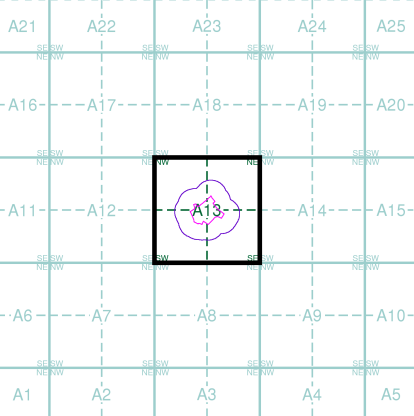
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

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Ordnance Survey Plan

Published 1951

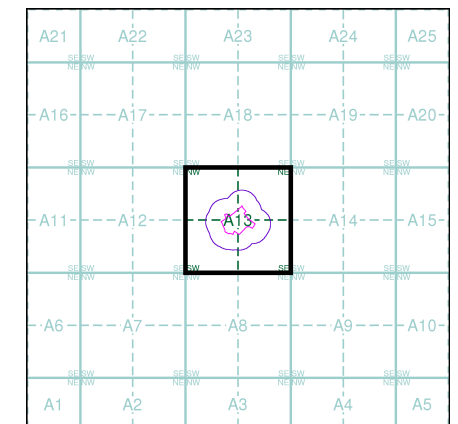
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SS7496SE 1951 1:1,250	SS7596SW 1951 1:1,250
SS7495NE 1951 1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Ordnance Survey Plan

Published 1952 - 1970

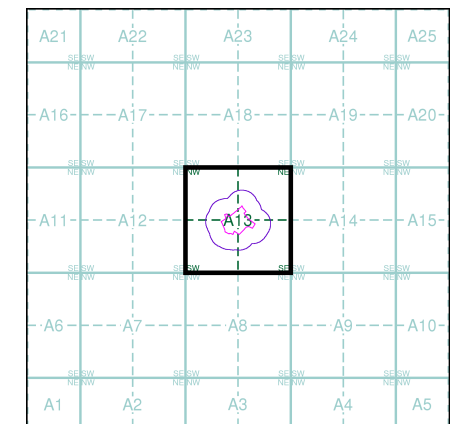
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SS7496 1952 12,500	SS7596 1952 12,500
SS7495 1952 12,500	SS7595 1970 12,500

Historical Map - Segment A13



Order Details

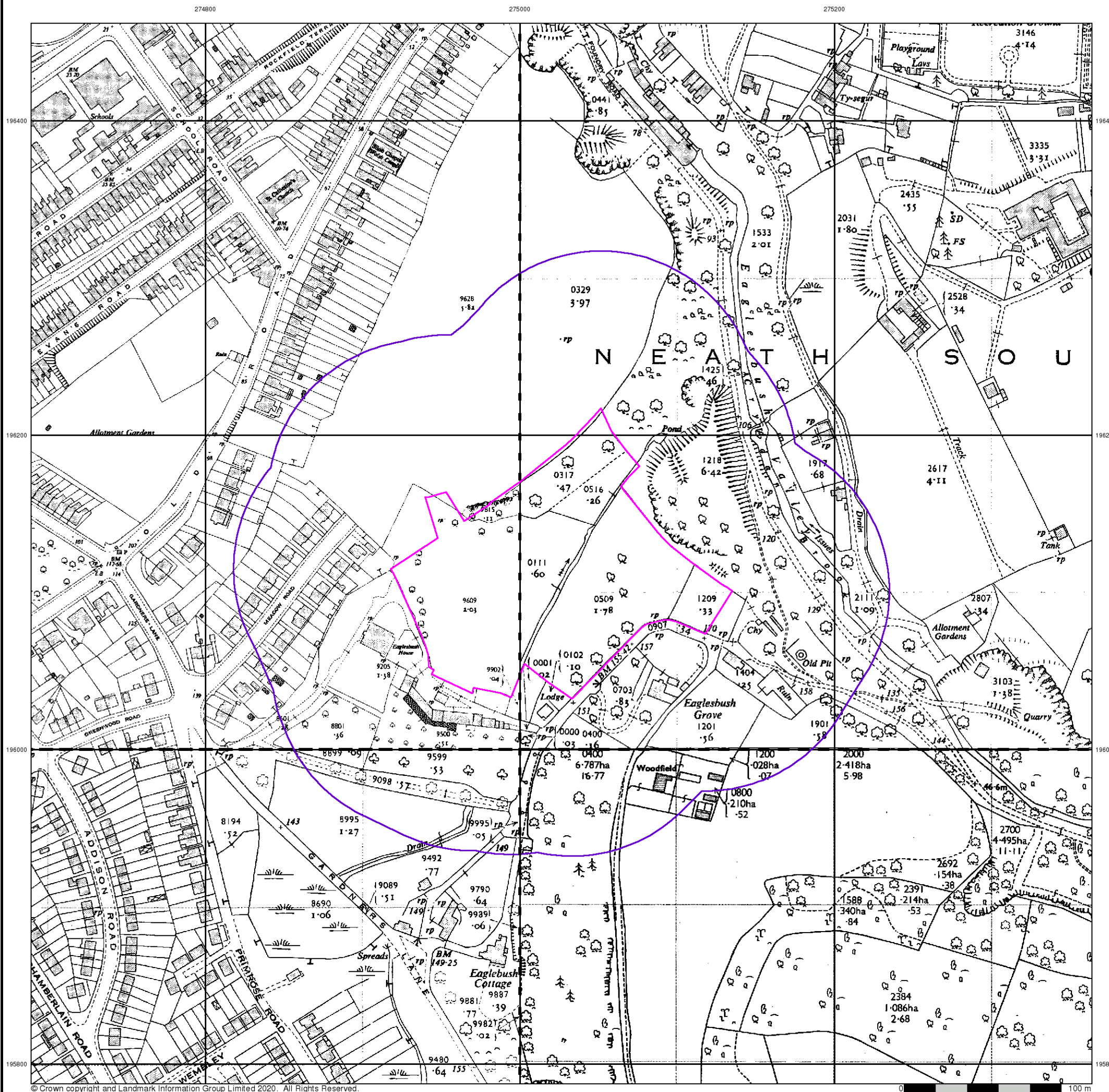
Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

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Ordnance Survey Plan

Published 1958 - 1967

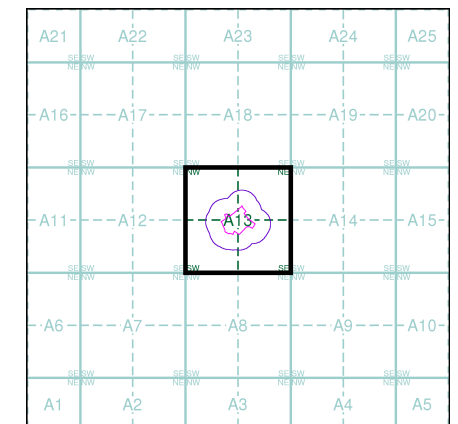
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SS7496SE 1958 1:1,250	SS7596SW 1958 1:1,250
SS7495NE 1967 1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Ordnance Survey Plan

Published 1964 - 1970

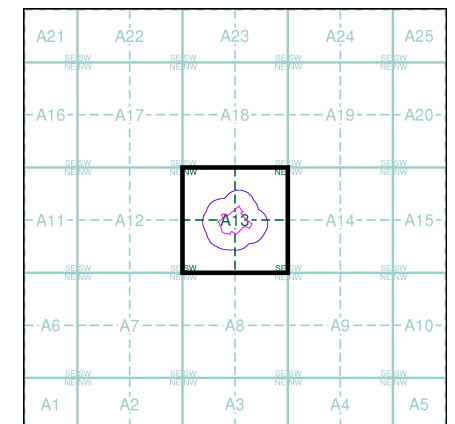
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SS7496	1964	1:2,500
SS7495	1970	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



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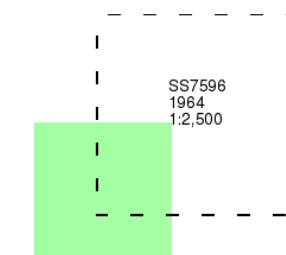
Ordnance Survey Plan

Published 1964

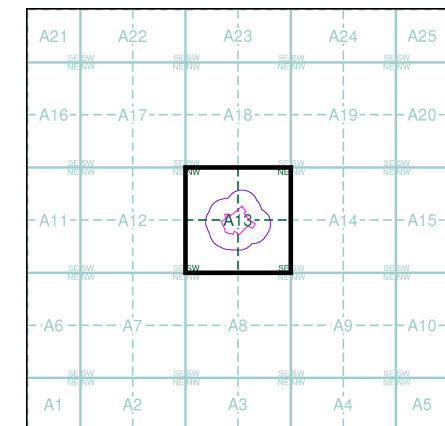
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

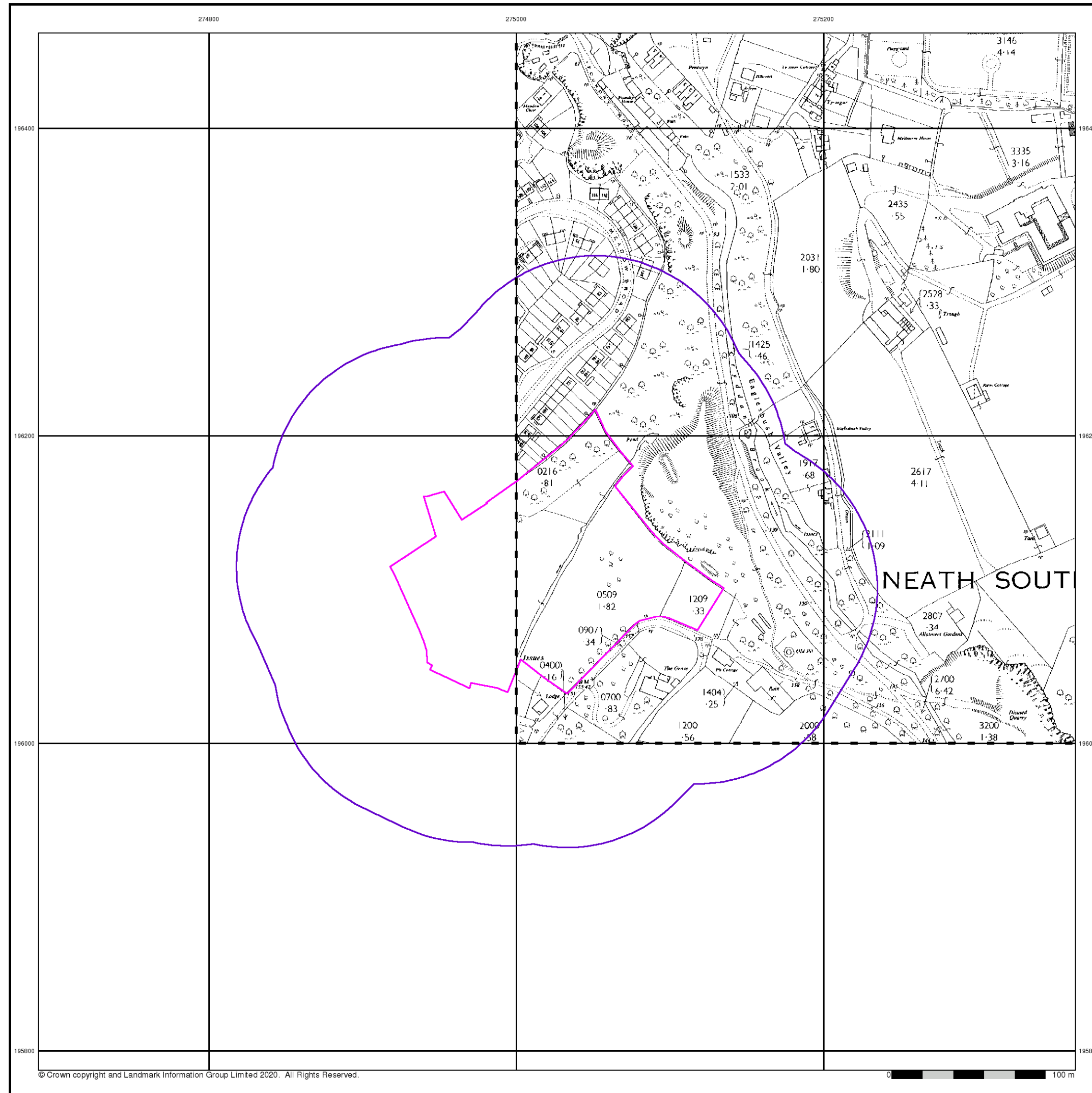


Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



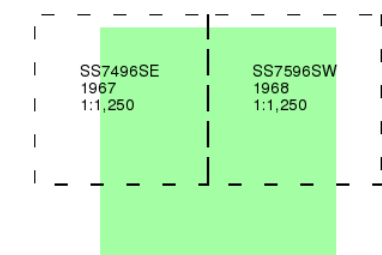
Ordnance Survey Plan

Published 1967 - 1968

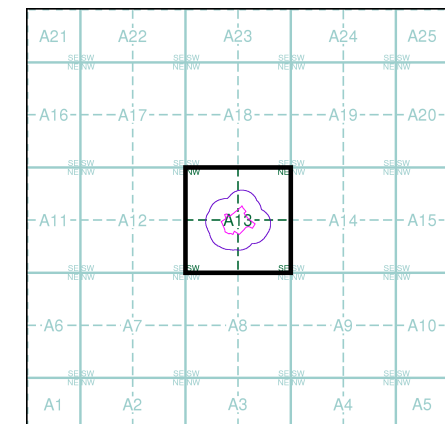
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

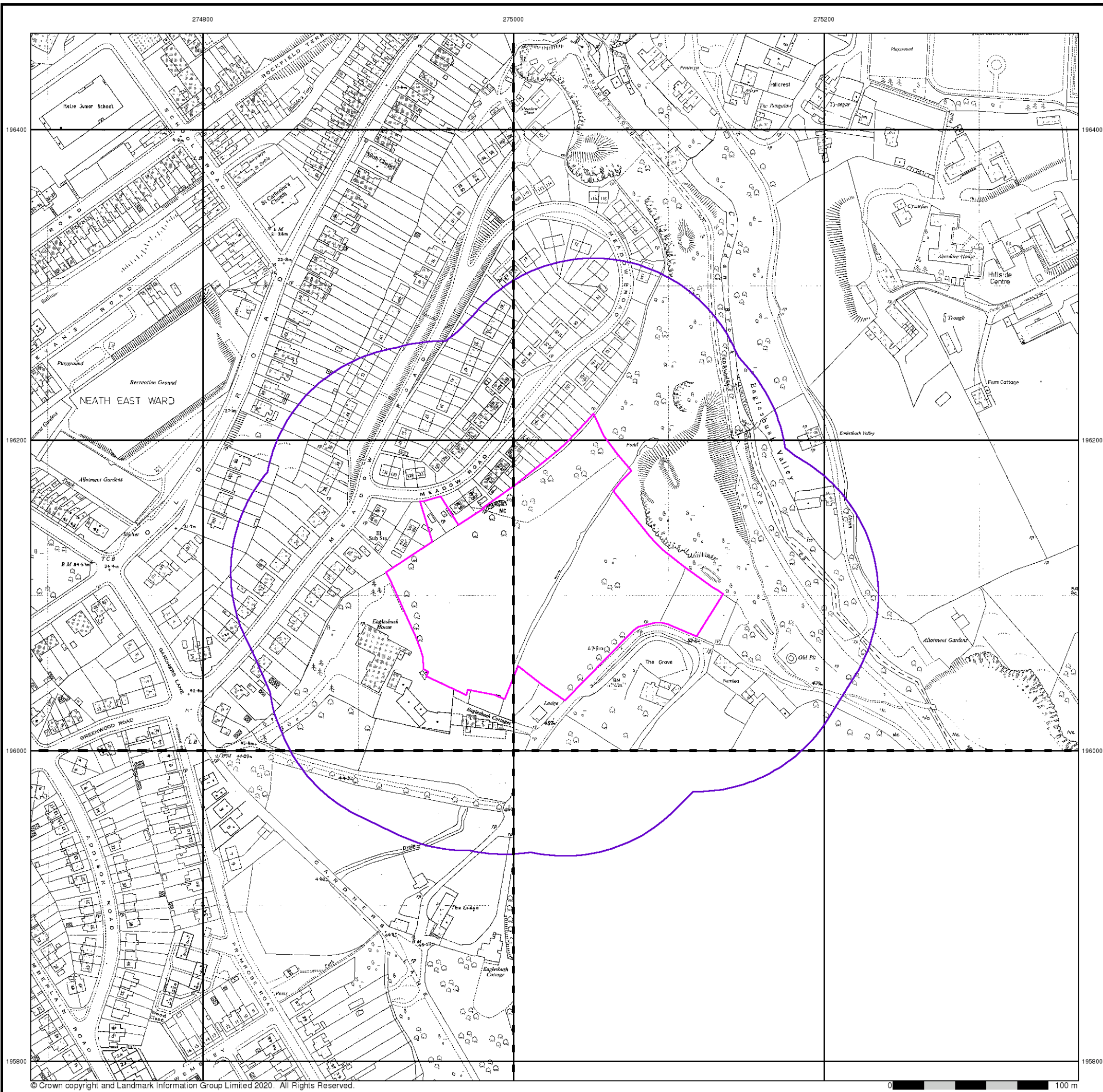


Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Additional SIMs

Published 1979 - 1989

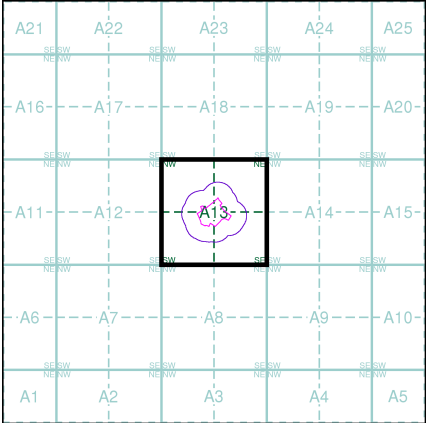
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SS7496SE	SS7596SW
1987	1989
1:1,250	1:1,250
SS7495NE	
1979	
1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



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Additional SIMs

Published 1987 - 1989

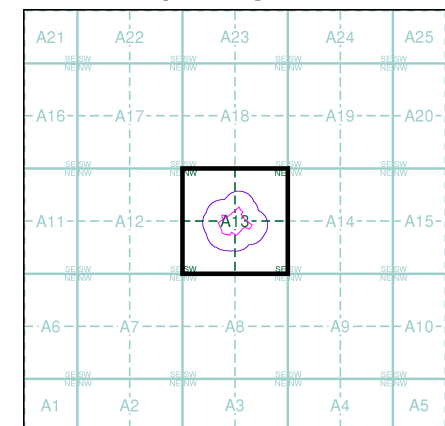
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SS7496SE
1989
1:1,250
SS7495NE
1987
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF

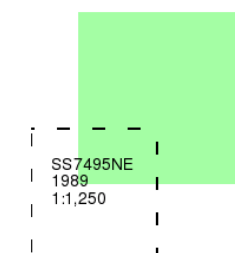
Additional SIMs

Published 1989

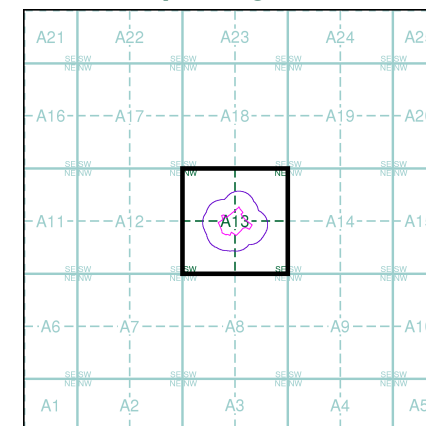
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Large-Scale National Grid Data

Published 1993

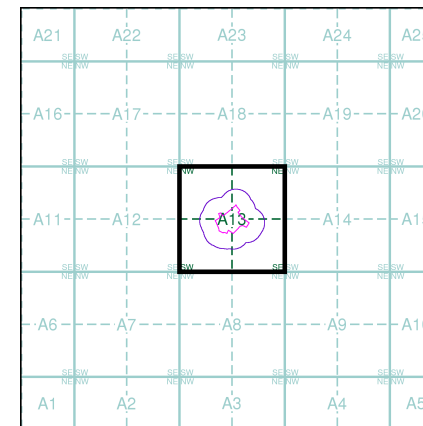
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SS7496SE	SS7596SW
1993	1993
1:1,250	1:1,250
SS7495NE	
1993	
1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



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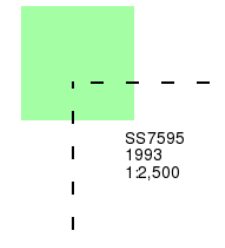
Large-Scale National Grid Data

Published 1993

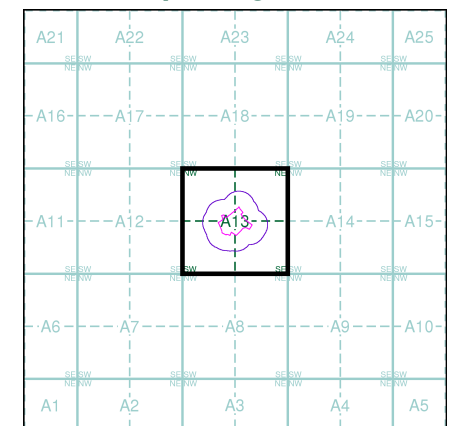
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

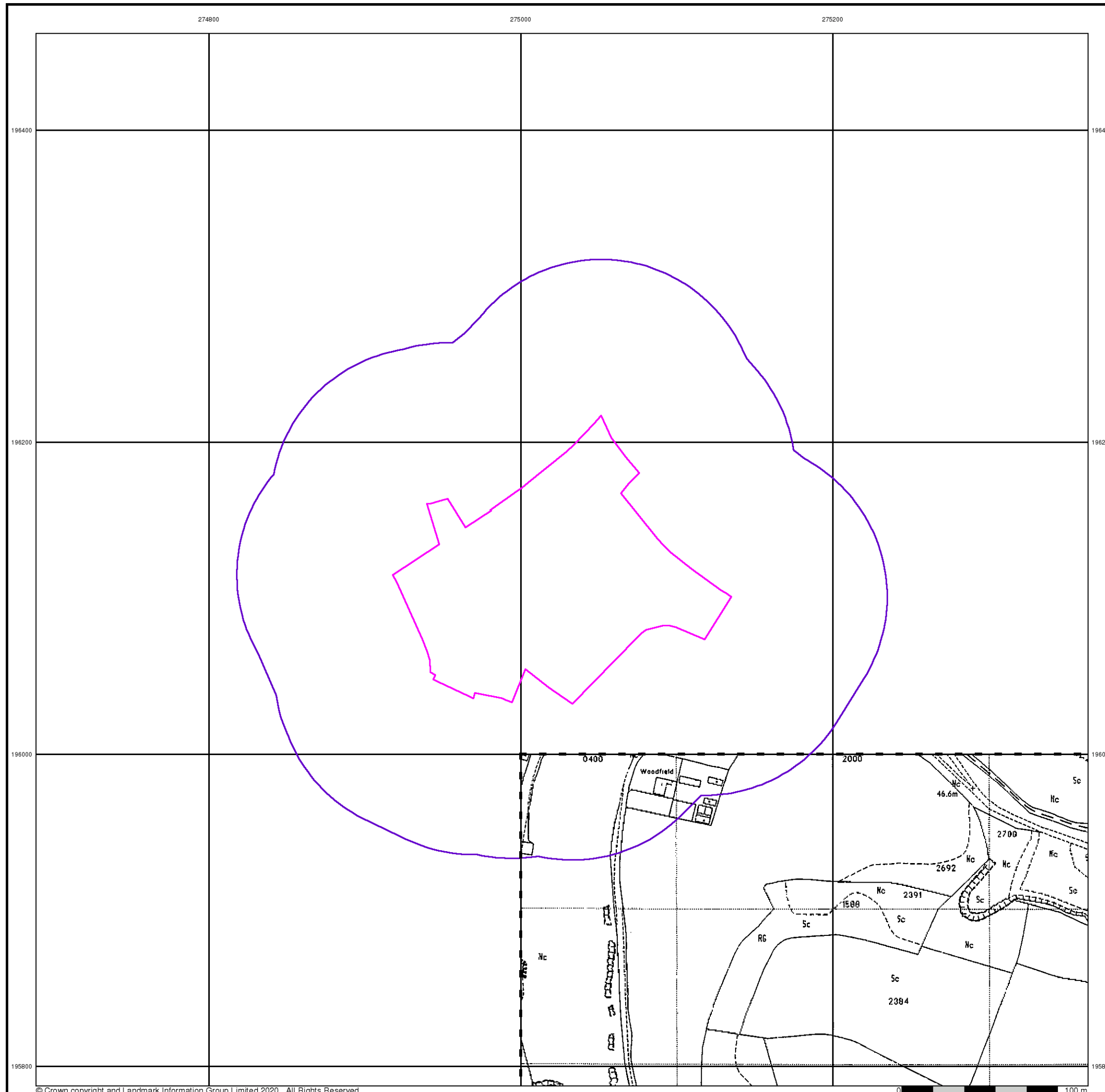
Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





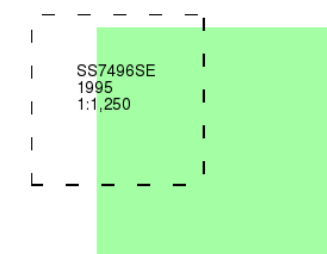
Large-Scale National Grid Data

Published 1995

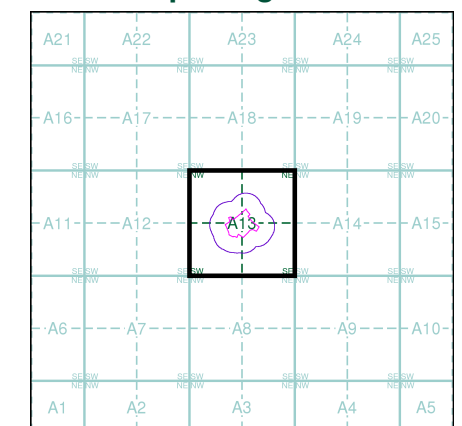
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268406405_1_1
Customer Ref:	12722/LP
National Grid Reference:	275020, 196120
Slice:	A
Site Area (Ha):	2.09
Search Buffer (m):	100

Site Details

Eaglebush, Neath, SA11 2AF

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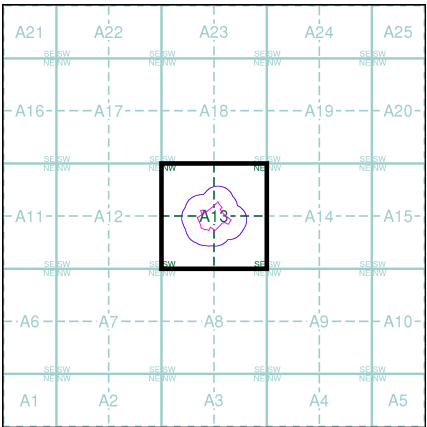


Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

268406405_1_1

Customer Reference:

12722/LP

National Grid Reference:

275020, 196120

Slice:

A

Site Area (Ha):

2.09

Search Buffer (m):

1000

Site Details:

Eaglebush

Neath

SA11 2AF

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	9
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	12
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	17
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	19
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	20
Data Suppliers	21
Useful Contacts	22

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		3	5	15
Coal Mining Affected Areas	pg 4	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 4	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas	pg 5	9	10	1	9
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 9		6	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 9		7	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 10	1	7	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)	pg 11		5	n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 11		5	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts	pg 12				2
Disturbed Ground	pg 12			2	
General Quarrying	pg 12		3	7	4
Heap, unknown constituents	pg 12				2
Mineral Railway	pg 12		1		11
Mining & quarrying general	pg 13		1		2
Mining of coal & lignite	pg 13		3		8
Quarrying of sand & clay, operation of sand & gravel pits	pg 14				3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 14		4	3	10
Potentially Infilled Land (Water)	pg 15			2	20
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Eaglesbush Grove Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154426 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	22	1	275095 196171
2	BGS Recorded Mineral Sites Site Name: Eaglebush House Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154445 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	106	1	274847 196211
3	BGS Recorded Mineral Sites Site Name: Eaglesbush House Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154427 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (W)	113	1	274807 196133
4	BGS Recorded Mineral Sites Site Name: Eaglebush Cottage Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154444 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	255	1	275021 195778
5	BGS Recorded Mineral Sites Site Name: Mount Pleasant Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154442 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (N)	376	1	275175 196572
6	BGS Recorded Mineral Sites Site Name: Pen-Rhiw-Tyn Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154429 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	410	1	274562 195901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	BGS Recorded Mineral Sites Site Name: Garth-Mor Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154431 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	433	1	275103 195605
8	BGS Recorded Mineral Sites Site Name: Park Terrace Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154428 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	454	1	274471 196036
9	BGS Recorded Mineral Sites Site Name: Garth-Mor Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154430 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	537	1	275028 195496
10	BGS Recorded Mineral Sites Site Name: Ty-Segur Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154425 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	549	1	275603 196387
11	BGS Recorded Mineral Sites Site Name: Eagle Tin Plate Works Clay Pit Location: Neath, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154109 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (W)	556	1	274416 196352
12	BGS Recorded Mineral Sites Site Name: Garth-Mor Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154446 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	576	1	274696 195529

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	BGS Recorded Mineral Sites Site Name: Westernmoor Colliery Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154409 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	616	1	275353 196754
14	BGS Recorded Mineral Sites Site Name: Eagle Tin Plate Works Clay Pit Location: Neath, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154108 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	642	1	274419 196535
15	BGS Recorded Mineral Sites Site Name: Tyla Morris Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156549 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	744	1	274971 195290
16	BGS Recorded Mineral Sites Site Name: Pont Y Lady Clay Pit Location: Neath, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154126 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NW (W)	746	1	274216 196367
17	BGS Recorded Mineral Sites Site Name: Cwm Cottage Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154424 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	758	1	275843 195832
18	BGS Recorded Mineral Sites Site Name: Ty-Nef Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156577 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (S)	760	1	275131 195279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	BGS Recorded Mineral Sites Site Name: Esgyrn Colliery Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156578 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (S)	816	1	275126 195222
20	BGS Recorded Mineral Sites Site Name: Westernmoor Cottages Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154443 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	844	1	275978 196125
21	BGS Recorded Mineral Sites Site Name: Tyla Morris Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156550 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	856	1	274890 195184
22	BGS Recorded Mineral Sites Site Name: Tyla Morris Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156551 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	885	1	275030 195148
23	BGS Recorded Mineral Sites Site Name: Esgyrn Colliery Location: Briton Ferry, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156579 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A3NE (S)	946	1	275034 195087
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (E)	0	2	275024 196117
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (E)	0	3	275024 196117
	Non Coal Mining Areas of Great Britain No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Potential Mining Areas Name: Danycoed Ceased Operation: 1910 Commodity: Coal; Bodwr; Garlant Reference: 5544 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (E)	0	4	275024 196117
25	Potential Mining Areas Name: Eaglesbush Ceased Operation: 1927 Commodity: Coal; Treany or Triany Reference: 9262 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (E)	0	4	275024 196117
26	Potential Mining Areas Name: Eaglesbush Ceased Operation: 1903 Commodity: Coal; Esgyrn or Hughes Reference: 4440 Alternate: Garlant Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (E)	0	4	275024 196117
27	Potential Mining Areas Name: Llantwit Lower Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (E)	0	4	275024 196117
28	Potential Mining Areas Name: Eaglesbush and Eskyn Ceased Operation: 1859 Commodity: Coal; Rotten or Bwdwr Reference: 10976 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (E)	0	4	275024 196117
29	Potential Mining Areas Name: Western Moor and Penrose Ceased Operation: 1874 Commodity: Coal; Western Moor Two Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Eaglesbush Estate Office, Eaglesbush, Neath.	A13SW (E)	0	4	275024 196117
30	Potential Mining Areas Name: Penrose Ceased Operation: 1870 Commodity: Coal; Erskine (Esgyrn) or Hughes; Boddwr Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: J. Thomas, Earl of Jersey's Estate Office, Briton Ferry.	A13SW (E)	0	4	275024 196117
31	Potential Mining Areas Name: Penrose and Eaglesbush Ceased Operation: Not Supplied Commodity: Coal; Esgyrn or Hughes Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Evan Harris, Rhydding, Neath.	A13SW (E)	0	4	275024 196117
32	Potential Mining Areas Name: Penrose and Eaglesbush Ceased Operation: Not Supplied Commodity: Coal; Eskyrn (Esgyrn); New Or Boddwr; Rotten Reference: Not Supplied Alternate: Airometer Name/Mine: Not Supplied Alternate: Eskyn Stack Old Name/Mine: Not Supplied Custodian: Eaglesbush Estate Office, Eaglesbush, Neath.	A13SW (E)	0	4	275024 196117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Potential Mining Areas Name: Treany or Melyn Ville Ceased Operation: 1905 Commodity: Coal and Shale; Treany Reference: 6023 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SE (E)	65	4	275200 196113
34	Potential Mining Areas Name: Eaglesbush Ceased Operation: 1930 Commodity: Coal; Garlant Reference: 10046 Alternate: Esgyrn Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	146	4	275019 195887
35	Potential Mining Areas Name: Garlent Ceased Operation: 1892 Commodity: Coal; Garlent Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Eaglesbush Estate Office, Eaglesbush, Neath.	A13SW (S)	146	4	275019 195887
36	Potential Mining Areas Name: Tyle or Gerlent Ceased Operation: 1924 Commodity: Coal; Gerlent; New Bwdwr Reference: 8680 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	146	4	275019 195887
37	Potential Mining Areas Name: Western Moor Ceased Operation: Not Supplied Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: W.E.C. Thomas, Brynhafod, Neath.	A13NE (NE)	166	4	275203 196285
38	Potential Mining Areas Name: Western Moor Ceased Operation: 1888 Commodity: Coal; Western Moor Reference: 3273 Alternate: Davies Name/Mine: Not Supplied Custodian: Not Supplied	A13NE (NE)	166	4	275203 196285
39	Potential Mining Areas Name: Western Moor Ceased Operation: 1887 Commodity: Coal; Western Moor Reference: Not Supplied Alternate: Eastland Name/Mine: Not Supplied Custodian: Eaglesbush Estate Office, Eaglesbush, Neath.	A13NE (NE)	166	4	275203 196285
40	Potential Mining Areas Name: Neath Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (NW)	193	4	274801 196294
41	Potential Mining Areas Name: Penrhos or Penrose Ceased Operation: 1927 Commodity: Coal; Boddor Reference: 8761 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SE (SE)	206	4	275195 195883

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Potential Mining Areas Name: Briton Ferry Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (SW)	218	4	274792 195892
43	Potential Mining Areas Name: Gnoll Ceased Operation: 1800 Commodity: Coal; Greenway; Hard; Three Feet Six Reference: Not Supplied Alternate: Boulting Mill Name/Mine: Castle Alternate: Coles Name/Mine: Fire Engine Alternate: Greenway Name/Mine: Greenway New Custodian: Eaglesbush Estate Office, Eaglesbush, Neath.	A18SE (N)	498	4	275212 196688
44	Potential Mining Areas Name: Gnoll Ceased Operation: Not Supplied Commodity: Coal; Little; Hard; Greenway Reference: Not Supplied Alternate: Fire Engine Name/Mine: Greenway Alternate: Morgan Edwards Name/Mine: Eaglesbush Estate Office, Eaglesbush, Neath.	A14NW (E)	503	4	275605 196277
45	Potential Mining Areas Name: Crythan Ceased Operation: 1922 Commodity: Coal; Westernmoor Reference: 7563 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A14SW (SE)	515	4	275597 195875
46	Potential Mining Areas Name: Court Sart Ceased Operation: 1910 Commodity: Coal; Bodwr; Hughes Reference: 6507 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A12SE (W)	570	4	274390 195901
47	Potential Mining Areas Name: Court Sart Ceased Operation: Not Supplied Commodity: Coal; Hughes Reference: Not Supplied Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Bassett and Walker, Charles Street, Cardiff.	A12SE (W)	570	4	274390 195901
48	Potential Mining Areas Name: Gnoll Ceased Operation: 1886 Commodity: Coal; Graigola; Hard; Little Reference: 1999 Alternate: Nos. 1, 2, 3, 4 Name/Mine: Not Supplied Custodian: Not Supplied	A19SW (NE)	728	4	275614 196679

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	Potential Mining Areas Name: Gnoll Ceased Operation: 1848-1886 Commodity: Coal; Greenway; Hard; Little Reference: 10975 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A19SW (NE)	728	4	275614 196679
50	Potential Mining Areas Name: Greenway Ceased Operation: 1800 Commodity: Coal; Probably Graigola Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J.E.R. Thomas, Church Place, Neath.	A18NE (N)	877	4	275045 197094
51	Potential Mining Areas Name: Gnoll House Ceased Operation: 1902 Commodity: Coal; Hard; Little Reference: 4355 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A14NE (E)	889	4	276008 196268
52	Potential Mining Areas Name: Ynysmaerdy Ceased Operation: 1927 Commodity: Coal; Bodwr Fach or Garland; Esgyrn or Hughes Reference: 9089 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A3NE (S)	965	4	275177 195079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Extractive Industries or Potential Excavations from 1855-1909 Use: Old Quarry First Map Published 1881 Date: Last Map Published Not Applicable Date:	A13SE (SE)	7	-	275077 196069
54	Extractive Industries or Potential Excavations from 1855-1909 Use: Quarry First Map Published 1881 Date: Last Map Published Not Applicable Date:	A13NE (NE)	24	-	275102 196181
55	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1881 Date: Last Map Published Not Applicable Date:	A13NE (NE)	48	-	275123 196191
56	Extractive Industries or Potential Excavations from 1855-1909 Use: Old Gravel Pits First Map Published 1881 Date: Last Map Published Not Applicable Date:	A13SE (E)	66	-	275190 196060
57	Extractive Industries or Potential Excavations from 1855-1909 Use: Quarries First Map Published 1881 Date: Last Map Published Not Applicable Date:	A13NE (NE)	85	-	275098 196288
58	Extractive Industries or Potential Excavations from 1855-1909 Use: Old Gravel Pits First Map Published 1881 Date: Last Map Published Not Applicable Date:	A13SE (E)	96	-	275223 196063
59	Extractive Industries or Potential Excavations from 1893-1915 Use: Quarry First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NE (NE)	5	-	275090 196150
60	Extractive Industries or Potential Excavations from 1893-1915 Use: Eaglesbush Colliery First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NE (NE)	5	-	275090 196150
61	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (E)	15	-	275149 196096
62	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NE (E)	31	-	275154 196143
63	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NE (NE)	39	-	275117 196167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Quarry First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NE (NE)	48	-	275108 196216
65	Extractive Industries or Potential Excavations from 1893-1915 Use: Old Quarry First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NE (NE)	96	-	275106 196295
66	Extractive Industries or Potential Excavations from 1893-1915 Use: Old Coal Pit First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SW (W)	97	-	274821 196118
67	Extractive Industries or Potential Excavations from 1906-1937 Use: Eaglesbush Colliery (Disused) First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NE (NE)	0	-	275075 196156
68	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Quarries First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NE (NE)	5	-	275090 196149
69	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NE (E)	13	-	275114 196132
70	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NE (NE)	14	-	275092 196173
71	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Coal Pit First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SE (E)	67	-	275186 196057
72	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Coal Pit First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NW (W)	78	-	274864 196179
73	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Quarry First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NE (NE)	92	-	275104 196291
74	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Coal Pit First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SW (W)	100	-	274819 196115

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Quarry First Map Published 1935 Date: Last Map Published Not Applicable Date:	A13NE (NE)	3	-	275073 196160
76	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1935 Date: Last Map Published Not Applicable Date:	A13NE (E)	11	-	275113 196129
77	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1935 Date: Last Map Published Not Applicable Date:	A13NE (NE)	13	-	275089 196182
78	Extractive Industries or Potential Excavations from 1924-1949 Use: Old Pit First Map Published 1935 Date: Last Map Published Not Applicable Date:	A13SE (E)	62	-	275182 196060
79	Extractive Industries or Potential Excavations from 1924-1949 Use: Old Pit First Map Published 1935 Date: Last Map Published Not Applicable Date:	A13SW (W)	98	-	274820 196115
80	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1951 Date: Last Map Published N/A Date:	A13SE (E)	5	-	275120 196117
81	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1951 Date: Last Map Published N/A Date:	A13NE (NE)	5	-	275086 196163
82	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1951 Date: Last Map Published N/A Date:	A13NE (NE)	9	-	275079 196190
83	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Quarry First Map Published 1951 Date: Last Map Published N/A Date:	A13NE (NE)	49	-	275107 196220
84	Extractive Industries or Potential Excavations from 1950-1980 Use: Old Pit First Map Published 1951 Date: Last Map Published N/A Date:	A13SE (E)	59	-	275179 196060

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Air Shafts Use: Not Supplied Date of Mapping: 1900		A8SE (S)	920	-	275238 195136
85	Air Shafts Use: Not Supplied Date of Mapping: 1900		A3NE (S)	964	-	275233 195090
86	Disturbed Ground Use: Not Supplied Date of Mapping: 1884		A18SE (N)	313	-	275089 196527
87	Disturbed Ground Use: Not Supplied Date of Mapping: 1884		A18SE (N)	493	-	275120 196704
88	General Quarrying Use: Not Supplied Date of Mapping: 1884 - 1900		A13NE (NE)	3	-	275086 196155
89	General Quarrying Use: Not Supplied Date of Mapping: 1884		A13NE (N)	113	-	275105 196316
90	General Quarrying Use: Not Supplied Date of Mapping: 1884 - 1921		A13NE (N)	154	-	275059 196370
91	General Quarrying Use: Not Supplied Date of Mapping: 1900		A8NW (S)	260	-	275019 195773
92	General Quarrying Use: Not Supplied Date of Mapping: 1921		A18SE (N)	262	-	275074 196478
93	General Quarrying Use: Not Supplied Date of Mapping: 1900 - 1921		A18SE (N)	363	-	275166 196562
94	General Quarrying Use: Not Supplied Date of Mapping: 1900		A12SE (W)	369	-	274550 196088
95	General Quarrying Use: Not Supplied Date of Mapping: 1884		A8NE (S)	390	-	275039 195642
96	General Quarrying Use: Not Supplied Date of Mapping: 1900		A12SE (SW)	420	-	274556 195888
97	General Quarrying Use: Not Supplied Date of Mapping: 1900 - 1921		A12SE (W)	440	-	274492 196008
98	General Quarrying Use: Not Supplied Date of Mapping: 1884		A8SW (S)	752	-	274977 195282
99	General Quarrying Use: Not Supplied Date of Mapping: 1900		A8SW (S)	831	-	274912 195207
99	General Quarrying Use: Not Supplied Date of Mapping: 1900		A8SW (S)	855	-	274889 195185
100	General Quarrying Use: Not Supplied Date of Mapping: 1900 - 1921		A8SW (S)	885	-	275024 195148
101	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1921 - 1935		A17SE (NW)	557	-	274498 196500
102	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1965		A7NE (SW)	692	-	274473 195542
103	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A13NE (E)	28	-	275151 196145

Historical Land Use Information (1:10,000)

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A12NE (NW)	597	-	274394 196400
105	Mineral Railway Use: Not Supplied Date of Mapping: 1921		A17SE (NW)	625	-	274457 196556
106	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1921		A17SE (NW)	652	-	274505 196646
107	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A17SE (NW)	657	-	274496 196644
108	Mineral Railway Use: Not Supplied Date of Mapping: 1921 - 1940		A17SE (NW)	661	-	274404 196546
109	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A17SE (NW)	723	-	274403 196645
110	Mineral Railway Use: Not Supplied Date of Mapping: 1921 - 1940		A12NW (W)	735	-	274233 196380
111	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A17SE (NW)	739	-	274404 196669
112	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A17SE (NW)	741	-	274526 196775
113	Mineral Railway Use: Not Supplied Date of Mapping: 1921		A17SE (NW)	746	-	274517 196774
114	Mineral Railway Use: Not Supplied Date of Mapping: 1884 - 1921		A3NE (S)	1000	-	275297 195068
115	Mining & quarrying general Use: Not Supplied Date of Mapping: 1884		A13NW (NW)	245	-	274722 196271
116	Mining & quarrying general Use: Not Supplied Date of Mapping: 1900		A8NW (S)	549	-	275011 195484
117	Mining & quarrying general Use: Not Supplied Date of Mapping: 1900		A18SE (NE)	613	-	275354 196750
118	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1900		A13SE (SE)	17	-	275137 196066
119	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884		A13NW (W)	120	-	274824 196193
120	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884		A13SW (W)	121	-	274797 196108
121	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921		A8NW (SW)	593	-	274693 195511
122	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884		A18SE (NE)	633	-	275342 196779
123	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884		A8SW (S)	710	-	274990 195324
124	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921		A8SE (S)	733	-	275085 195302

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1900	A14SE (E)	755	-	275839 195828
126	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A14SE (E)	786	-	275907 195953
127	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921	A8SE (S)	813	-	275123 195225
128	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921	A3NW (S)	957	-	274986 195077
129	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A12NE (W)	529	-	274445 196351
130	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A17SE (NW)	637	-	274416 196524
131	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1921 - 1940	A12NW (W)	737	-	274223 196361
132	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (SE)	17	-	275137 196066
133	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (W)	120	-	274824 196193
134	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (W)	121	-	274797 196108
135	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (NW)	245	-	274722 196271
136	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (SW)	420	-	274556 195888
137	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SW (NW)	489	-	274806 196640
138	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NE (NW)	495	-	274479 196344
139	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	549	-	275011 195484
140	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (SW)	593	-	274693 195511
141	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	595	-	274686 196698
142	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	613	-	275354 196750
143	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	633	-	275342 196779
144	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	733	-	275085 195302
145	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	737	-	274223 196361

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SE (E)	786	-	275907 195953
147	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	920	-	275238 195136
148	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A3NW (S)	957	-	274986 195077
149	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1935	A18SW (N)	325	-	274964 196529
150	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14NW (NE)	417	-	275460 196362
151	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A12NE (W)	550	-	274384 196245
152	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12NE (W)	579	-	274395 196362
153	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A12NE (NW)	606	-	274392 196420
154	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18NW (N)	632	-	274944 196840
155	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	634	-	274959 196844
156	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17SE (NW)	664	-	274503 196661
157	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17SE (NW)	671	-	274399 196557
158	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	674	-	275449 196761
159	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A17SE (NW)	677	-	274399 196568
160	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	685	-	274889 196882
161	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18NE (N)	689	-	275261 196873
162	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (NW)	715	-	274311 196501
163	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A17SE (NW)	731	-	274463 196714
164	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A12SW (W)	751	-	274181 195970
165	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A7NE (SW)	766	-	274385 195525
166	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A7NE (SW)	786	-	274381 195499

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SW (S)	915	-	274795 195137
168	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12SW (W)	920	-	274046 195820
169	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A7NW (SW)	949	-	274117 195584
170	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A7NW (SW)	961	-	274091 195606

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
171	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
172	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963
173	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
174	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	274950 196108
175	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
176	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
177	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	101	1	275124 195968
178	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	172	1	274968 195864
179	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	224	1	275000 195809
180	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117
181	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	274950 196108
182	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	74	1	274955 195963

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	101	1	275124 195968
184	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	172	1	274968 195864
185	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	174	1	275234 196250
186	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	224	1	275000 195809
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275000 196117
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	275024 196117

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Glamorganshire	016_13	1881
Glamorganshire	016_13	1899
Glamorganshire	016_13	1919
Glamorganshire	016_13	1935
Ordnance Survey Plan	SS7595	1970

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Glamorganshire	015_00	1884
Glamorganshire	016_00	1884
Glamorganshire	024_00	1884
Glamorganshire	025_00	1884
Glamorganshire	015_SE	1900
Glamorganshire	016_SW	1900
Glamorganshire	024_NE	1900
Glamorganshire	025_NW	1900
Glamorganshire	015_SE	1921
Glamorganshire	016_SW	1921
Glamorganshire	024_NE	1921
Glamorganshire	025_NW	1921
Glamorganshire	016_SW	1935
Glamorganshire	025_NW	1936
Glamorganshire	024_NE	1938
Glamorganshire	015_SE	1940
Ordnance Survey Plan	SS79NE	1964
Ordnance Survey Plan	SS79SE	1964
Ordnance Survey Plan	SS79SW	1964
Ordnance Survey Plan	SS79NW	1965
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SS79SW	1980
Ordnance Survey Plan	SS79NE	1992
Ordnance Survey Plan	SS79NW	1992
Ordnance Survey Plan	SS79SE	1996

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	October 2020	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Stantec UK Ltd	October 2020	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer	January 2015	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	 The Coal Authority
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	 wardell armstrong your earth our world
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
3	Ove Arup & Partners Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
4	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

General

- Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

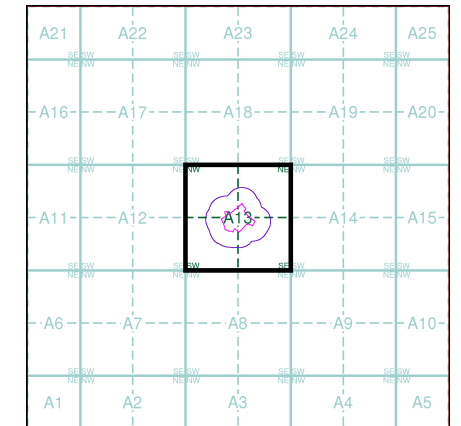
Potentially Contaminative Industrial Uses
(Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13

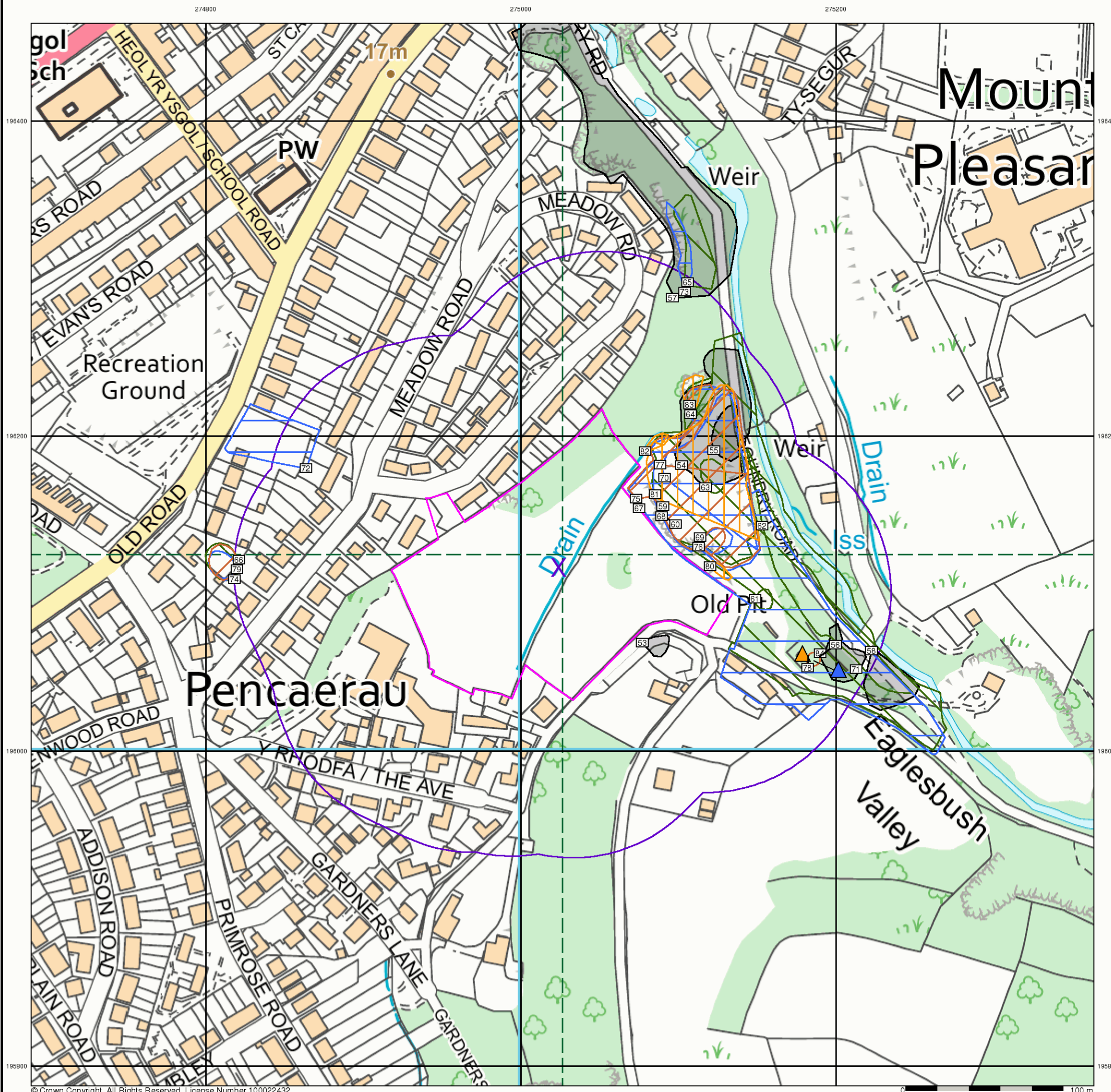


Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Plot Buffer (m): 100

Site Details

Eaglebush, Neath, SA11 2AF



Historical Land Use Information (1:10,000)

General

- Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

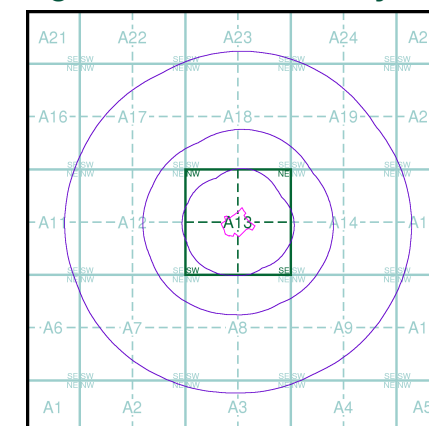
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

- Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A

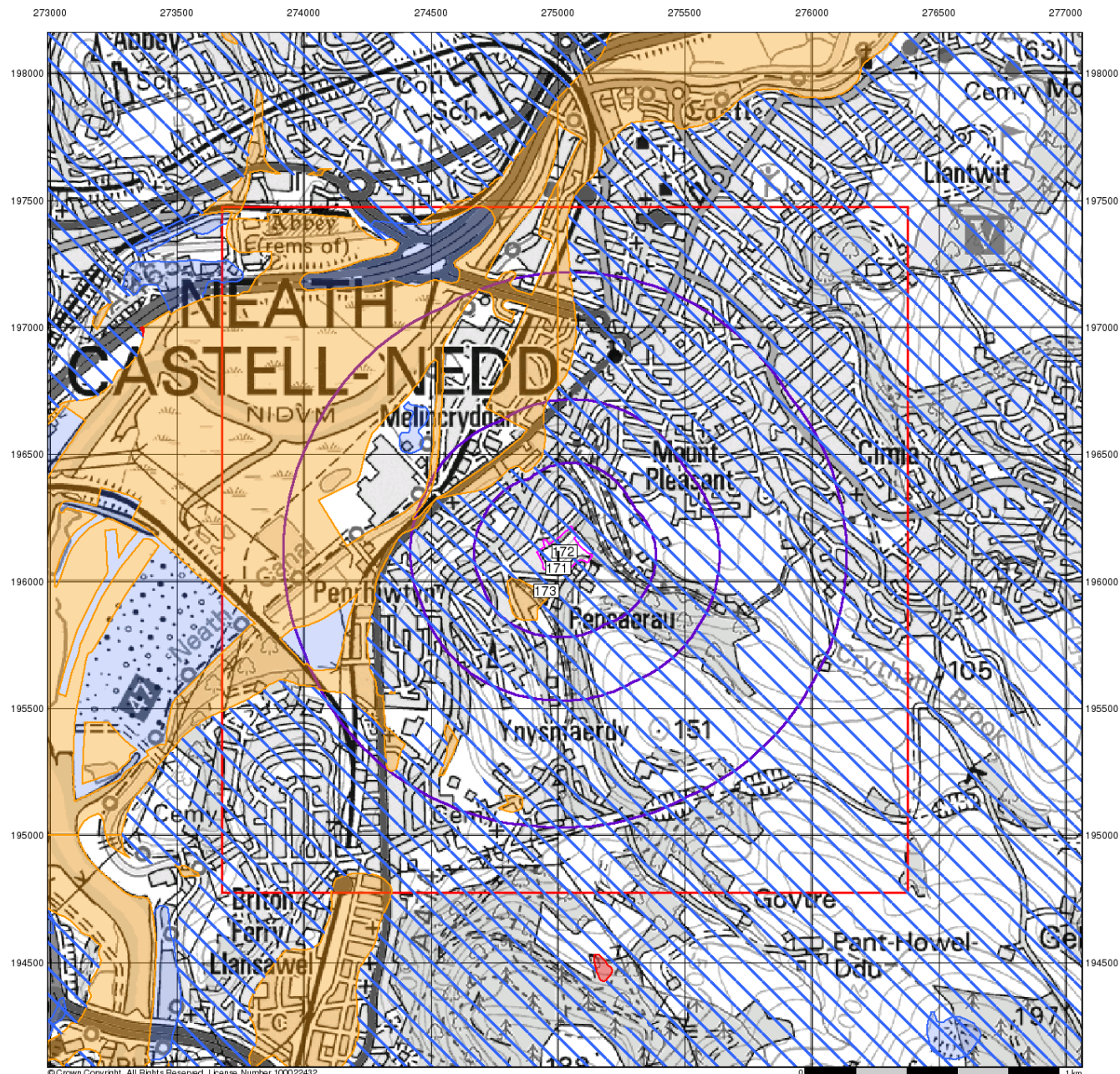


Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF



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Intégral Géotechnique

Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

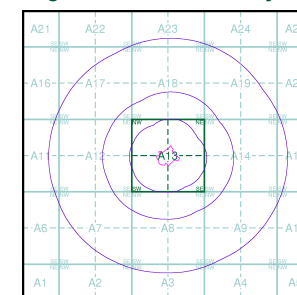
Brine Pumping and Salt Mining

Brine Pumping Related Feature

Salt Mining Related Feature

- Point
- Polygon
- Brine Pumping Related Feature
- Salt Mining Related Feature

Mining and Ground Stability - Slice A



Order Details

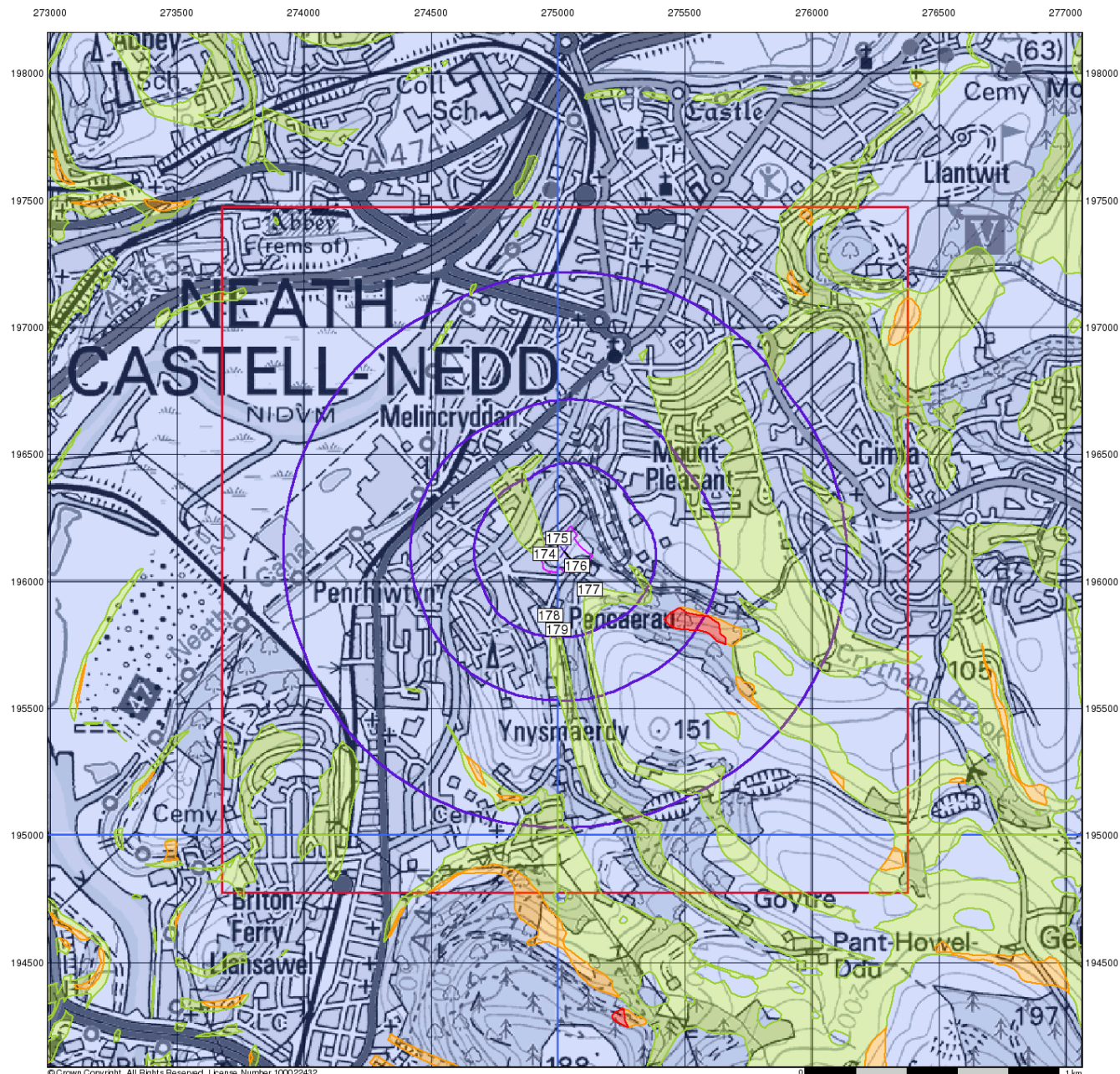
Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196120
Slice: A
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirowatch.co.uk



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Intégral Géotechnique

Ground Stability Data (1:50,000)

General

- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

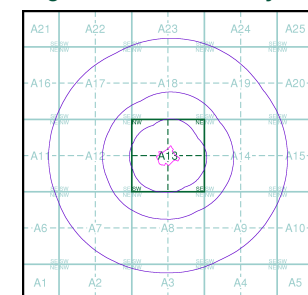
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- ▨ High
- ▨ Moderate
- ▨ Low
- ▨ Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 268406405_1_1
 Customer Ref: 12722/LP
 National Grid Reference: 275020, 196120
 Slice: A
 Site Area (Ha): 2.09
 Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.enwirocheck.co.uk

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

MR H Pritchard, Integral Geotechnique, Integral House, 7
Beddau Way, Castlegate Business Park, Caerphilly, CF83
2AX

Order Details

Order Number: 268406405_1_1
Customer Ref: 12722/LP
National Grid Reference: 275020, 196110
Site Area (Ha): 2.09
Search Buffer (m): 1000

Site Details

Eaglebush, Neath, SA11 2AF

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

APPENDIX B

BGS RADON REPORT

Laura Pullin
Integral Geotechnique (Wales) Limited
10 Lon Cae Porth
Cardiff
CF14 6QL

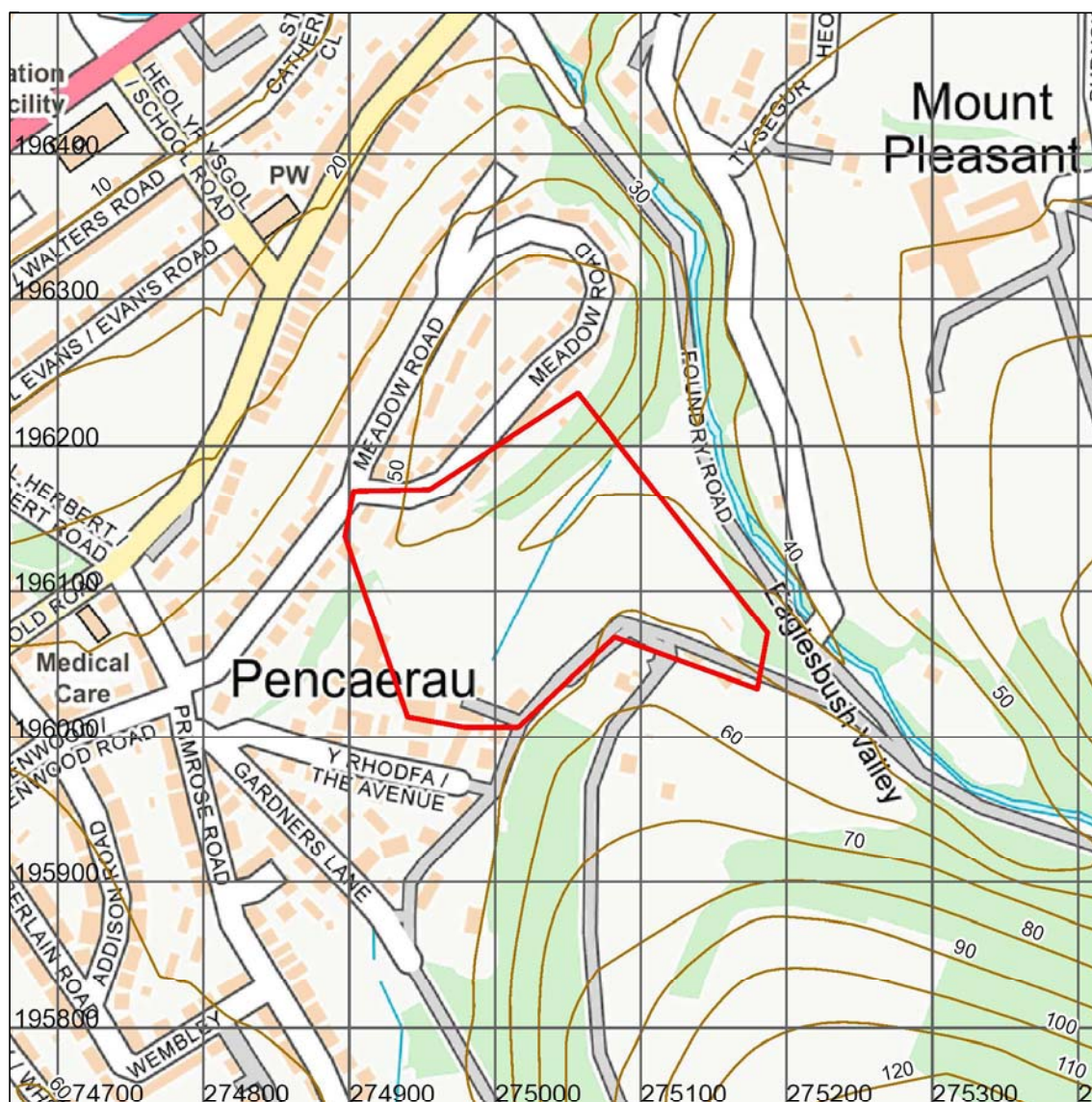
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS_313337/17601*

Client reference: *Eaglesbush 12722*

Search location



Contains OS data © Crown Copyright and database right 2020. OS OpenMap Local: Scale: 1:5 000 (1cm = 50 m)

Search location indicated in red

*This report describes a site located at National Grid Reference 275042, 196122.
Note that for sites of irregular shape, this point may lie outside the site boundary.
Where the client has submitted a site plan the assessment will be based on the area given.*

Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

1. No protective measures
2. Basic protective measures
3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

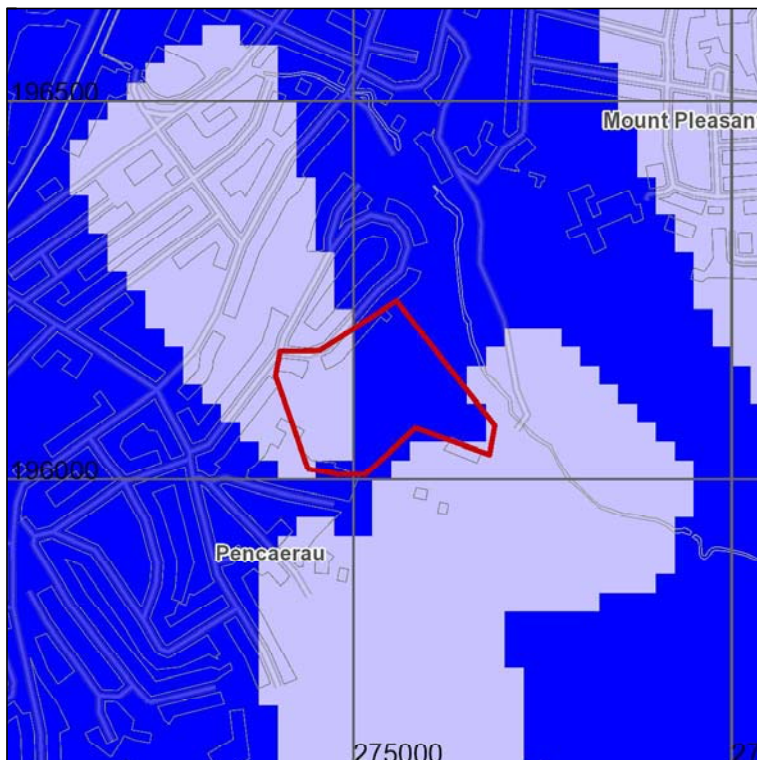
BASIC RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition)*. Additional information and guidance is available from the Building Research Establishment website (<http://www.bre.co.uk/radon/>).

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The PHE provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

Radon Affected Area



	% Homes estimated to be at or above the action level
Dark Blue	0-1%
Light Blue	1-3%
Medium Blue	3-5%
Light Red	5-10%
Dark Red	10-30%
Red	30-100%

Contains OS data © Crown Copyright and database right 2020

Scale: 1:10 000 (1cm = 100 m)

Search area indicated in red

Is the property in a radon Affected Area as defined by Public Health England (PHE) and if so what percentage of homes are estimated to be above the Action Level? YES

Additional Information

THE PROPERTY IS IN A RADON AFFECTED AREA WHERE 3 TO 5% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL.

PHE recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m^{-3}) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to exceed the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a radon problem in the property; the only way to find out whether the radon level is above or below the Action Level is to carry out a radon measurement.

PHE advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels above the Action Level (200 Bq m⁻³) should be remediated. Householders with levels between the Target Level (100 Bq m⁻³) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. PHE provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by PHE. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from PHE at www.ukradon.org.

What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level exceeds the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations, 1999, require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.uk website: www.brebookshop.com

Contact Details

Keyworth Office

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Environmental Science Centre
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Email: hydroenq@bgs.ac.uk

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British Geological Survey
Lyell Centre
Research Avenue South
Edinburgh
EH14 4AP
Tel: 0131 6671000
Email: enquiry@bgs.ac.uk

Terms and Conditions

General Terms & Conditions

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Important notes about this Report

- The data, information and related records supplied in this Report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided.
- Geological observations and interpretations are made according to the prevailing understanding of the subject at the time. The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge, improved methods of interpretation, and better access to sampling locations.
- Raw data may have been transcribed from analogue to digital format, or may have been acquired by means of automated measuring techniques. Although such processes are subjected to quality control to ensure reliability where possible, some raw data may have been processed without human intervention and may in consequence contain undetected errors.
- Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.
- Although samples and records are maintained with all reasonable care, there may be some deterioration in the long term.
- The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
- Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
- Data, information and related records, which have been donated to BGS, have been produced for a specific purpose, and that may affect the type and completeness of the data recorded and any interpretation. The nature and purpose of data collection, and the age of the resultant material may render it unsuitable for certain applications/uses. You must verify the suitability of the material for your intended usage.
- If a report or other output is produced for you on the basis of data you have provided to BGS, or your own data input into a BGS system, please do not rely on it as a source of information about other areas or geological features, as the report may omit important details.
- The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same as that used in the original compilation of the BGS geological map, and to which the geological linework available at that time was fitted.
- Note that for some sites, the latest available records may be historical in nature, and while every effort is made to place the analysis in a modern geological context, it is possible in some cases that the detailed geology at a site may differ from that described.

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**Report issued by
BGS Enquiry Service**

APPENDIX C

COAL AUTHORITY MINING REPORT



The Coal
Authority

CON29M

coal mining report

EAGLEBUSH, NEATH, NEATH PORT TALBOT, SA11 2AF



Known or potential coal mining risks

Past underground coal mining	Page 4
Future underground coal mining	Page 4
Mine entries	Page 5



Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit
www.groundstability.com



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **268406405_2**
Our reference: **51002321603001**
Date: **20 November 2020**

Client name:
NLIS Hub

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk



The Law
Society

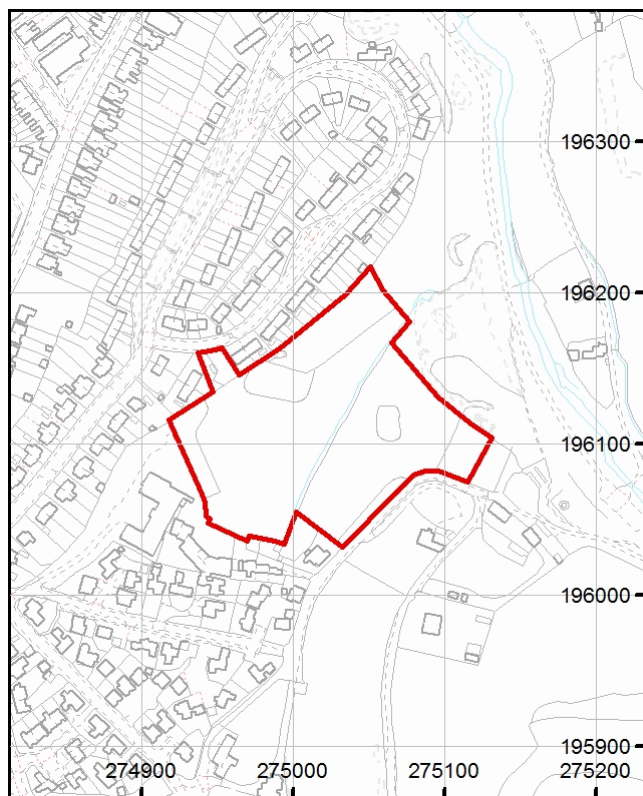
Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Professional opinion



Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed.

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on **0345 762 6848** or email **cmra@coal.gov.uk**.

Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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1 Past underground coal mining

The property is in a surface area that could be affected by underground mining in 1 seam of coal at 50m to 80m depth, and last worked in 1900.

Any movement in the ground due to coal mining activity associated with these workings should have stopped by now.

In addition the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future development activity, as ground movement could still be a risk. Your attention is drawn to the Professional opinion sections of the report.

2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9 Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12 Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14 Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

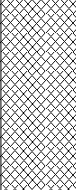
subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

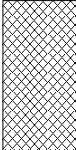
withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings

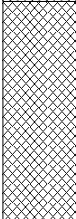
APPENDIX D

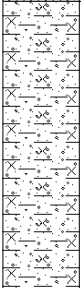
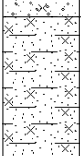
TRIAL PIT LOGS

 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP01 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: LW		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.50m			
Date Excavated: 14/07/2020			Level:			Depth : 2.20m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.15			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with roots and rootlets			
			0.30			Soft to firm mottled brown grey slightly gravelly slightly sandy silty CLAY. Gravel is fine to coarse angular to subangular of siltstone and sandstone.			
						Possible Made Ground: (Medium dense) grey slightly sandy slightly silty slightly clayey to clayey gravel. Gravel is fine to coarse angular to subangular of siltstone and sandstone.			
			1.80			Coal seam with bands or brown clay.			
			2.00			Soft to firm yellow brown silty CLAY			
			2.20		End of Trialpit at 2.20 m				
Remarks: 1. Trial pit terminated at 2.2m bgl. 2. Soakaway test undertaken.			Groundwater: Groundwater not encountered			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Collapse of trial pit side						

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP02 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: LW		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.30m			
Date Excavated: 14/10/2020			Level:			Depth : 1.10m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.20			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with roots and rootlets and rare fragments of plastic			
			0.70			Made Ground: (Loose to medium dense) black grey silty slightly clayey sand and gravel. Gravel is fine to coarse angular to subangular and tabular of siltstone, sandstone and brick with frequent cobbles of sandstone.			
			0.90			Soft to firm, firm grey brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse angular and tabular of sandstone and siltstone.			
			1.10			(Medium dense) brown grey slightly sandy GRAVEL. Gravel is fine to coarse tabular of sandstone and siltstone.			
						----- End of Trialpit at 1.10 m -----			
Remarks: 1. Trial pit terminated at 1.1m bgl due to refusal on suspected bedrock. 2. Soakaway test undertaken.			Groundwater: Groundwater not encountered			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Relatively Stable						

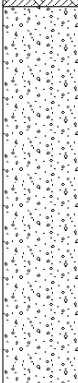
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Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP04 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: LW		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.50m			
Date Excavated: 14/10/2020			Level:			Depth : 1.10m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.15			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
						Made Ground: (Very loose to loose) wet black grey slightly clayey to clayey silty sand and gravel. Gravel is fine to coarse angular to subangular of siltstone and sandstone with rare brick and fragments of cloth/textiles.			
			0.90			(Loose to medium dense) blue brown grey clayey silty gravelly SAND. Gravel is fine to coarse angular of siltstone and sandstone.			
			1.10			End of Trialpit at 1.10 m			
Remarks: 1. Trial pit terminated at 1.1m bgl due to groundwater inflow and spalling of pit sides.			Groundwater: Multiple groundwater inflows below 0.5m.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
Stability: Collapse of trial pit side									

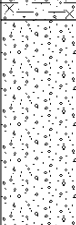
 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP05 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: PD		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.20m			
Date Excavated: 13/10/2020			Level:			Depth : 1.70m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.10			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets.			
						Soft to firm becoming firm mottled grey brown slightly gravelly sandy silty CLAY. Gravel is fine to coarse angular to subangular of siltstone and sandstone.			
			1.10			(Medium dense) light brown slightly clayey slightly silty SAND.			
			1.60			Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.			
			1.70			End of Trialpit at 1.70 m			
Remarks: 1. Trial pit terminated at 1.7m bgl due to refusal on bedrock. 2. Soakaway test undertaken.			Groundwater: Slight seepage at 1.3m Stability: Spalling of pit sides			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road				Project No.: 12722		Trial Pit No.: TP06 Sheet 1 of 1		
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian				Logged By: PD		Scale 1:25	
Equipment: JCB 3CX				Coordinates:				Dimensions 2.40m			
Date Excavated: 13/10/2020				Level:				Depth : 2.00m			
Samples & In-situ Testing				Depth (m)		Level (m AOD)		Legend		Stratum Description	
Depth (m)		Type	Results								
				0.25						Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets	
				1.10						Soft to firm becoming firm mottled grey brown slightly gravelly sandy silty CLAY. Gravel is fine to coarse angular to subangular of siltstone and sandstone.	
				1.90						(Medium dense) grey brown slightly gravelly SAND. (Running sand conditions encountered).	
				2.00						Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.	
										End of Trialpit at 2.00 m	
Remarks: 1. Trial pit terminated at 2.0m bgl due to refusal on suspected bedrock.				Groundwater: Slight seepage at 1.9m				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
				Stability: Relatively Stable							

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP07 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: PD		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.40m			
Date Excavated: 13/10/2020			Level:			Depth : 2.00m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.20			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
						Soft to firm becoming firm mottled grey brown slightly gravelly sandy silty CLAY. Gravel is fine to coarse angular to subangular of siltstone and sandstone.			
						(Medium dense) grey clayey silty SAND and GRAVEL with some cobbles and occasional boulders. Gravel is fine to coarse angular to subangular of sandstone.			
			2.00			End of Trialpit at 2.00 m			
Remarks:			Groundwater:			Groundwater not encountered		Key:	
1. Trial pit terminated at 2.0m bgl due to refusal on suspected bedrock. 2. Soakaway test undertaken.			Stability:			Relatively Stable		D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample	

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP08 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: PD		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.10m			
Date Excavated: 13/10/2020			Level:			Depth : 1.50m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.25			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
						(Medium dense to dense) brown grey clayey silty SAND and GRAVEL with frequent tabular cobbles and boulders of sandstone. Gravel is fine to coarse angular and tabular of sandstone.			
			1.50			End of Trialpit at 1.50 m			
Remarks:			Groundwater:			Groundwater not encountered		Key:	
1. Trial pit terminated at 1.5m bgl due to refusal on suspected bedrock. 2. Soakaway test undertaken			Stability:			Relatively Stable		D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample	
									

 Integral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP09 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: PD		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.70m			
Date Excavated: 13/10/2020			Level:			Depth : 2.00m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.10			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
						Soft to firm becoming firm mottled grey brown slightly gravelly sandy silty CLAY. Gravel is fine to coarse angular to subangular of siltstone and sandstone.			
			1.00			(Medium dense) light brown slightly clayey slightly silty gravelly SAND with some cobbles. Gravel is fine to coarse angular to subrounded of sandstone and siltstone.			
			1.90			Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.			
			2.00			End of Trialpit at 2.00 m			
Remarks: 1. Trial pit terminated at 2.0m bgl due to refusal on suspected bedrock.			Groundwater: Groundwater not encountered Stability: Relatively Stable			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			

 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP10 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: PD		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.10m			
Date Excavated: 13/10/2020			Level:			Depth : 1.60m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.15			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
						Soft to firm, firm light brown slightly gravelly sandy silty CLAY. Gravel is fine to coarse angular to subrounded of siltstone and sandstone.			
			0.80			(Medium dense) grey clayey silty SAND and GRAVEL with some cobbles and occasional boulders. Gravel is fine to coarse angular to subangular of sandstone.			
			1.50			Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.			
			1.60			End of Trialpit at 1.60 m			
Remarks: 1. Trial pit terminated at 1.6m bgl due to refusal on suspected bedrock.			Groundwater: Groundwater not encountered Stability: Relatively Stable			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			

 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP11 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: PD		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.50m			
Date Excavated: 13/10/2020			Level:			Depth : 1.80m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.10			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
						Made Ground: (Loose) grey gravelly sand. Gravel is fine to coarse angular of frequent ash material, brick, sandstone with fragments of metal and plastic. Some brick cobbles.			
			0.80			(Medium dense) grey clayey silty SAND and GRAVEL with some cobbles and occasional boulders. Gravel is fine to coarse angular to subangular of sandstone.			
			1.80			End of Trialpit at 1.80 m			
Remarks: 1. Trial pit terminated at 1.8m bgl due to refusal on suspected bedrock.			Groundwater: Groundwater not encountered			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Spalling of pit sides						

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: Meadow Road			Project No.: 12722		Trial Pit No.: TP12 Sheet 1 of 1	
Location: Neath			Client: Jones Brothers (Henllan) Ltd and Tai Tarian			Logged By: LW		Scale 1:25	
Equipment: JCB 3CX			Coordinates:			Dimensions 2.50m			
Date Excavated: 14/10/2020			Level:			Depth : 2.20m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.20			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets			
			0.80			Possible Made Ground: (Medium dense) grey slightly clayey silty sandy gravel. Gravel is fine to coarse angular to subangular and tabular of sandstone and siltstone.			
						Coal seam with bands or brown clay.			
			1.10			Variable mixture of (loose) wet grey brown slightly gravelly silty clayey SAND and very soft to soft sandy silty CLAY.			
2.20					End of Trialpit at 2.20 m				
Remarks: 1. Trial pit terminated at 2.2m bgl due to groundwater inflow and collapse of pit side.			Groundwater: Wet below 1.1m. Groundwater encountered at 1.8m			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Collapse of trial pit side						

APPENDIX E

CABLE PERCUSSION BOREHOLE LOGS

		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: BH01 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: CP	
Equipment: Dando 2000				Diameter of Casing: 200mm		Level:		Scale 1:50	
Diameter of Boring: 200mm				Depth of Casing: 4.20m		Dates 02/12/2020 -		Logged By: MB/LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
	 2.70				0.20			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets.	
					0.80			Firm mottled yellow grey to brown grey slightly sandy to sandy silty CLAY.	
		1.00		N=3 (1,0/1,0,1,1)				Very soft to soft/Very loose to loose brown grey sandy silty CLAY to clayey silty SAND.	1
		2.00		N=11 (1,2/2,3,3,3)					2
		3.00		N=10 (1,2/2,2,3,3)					3
		4.00		81 (10,12/81 for 150mm)	4.10 4.20 4.50		 	Medium dense grey silty sandy GRAVEL. Gravel is fine to coarse angular to subangular and tabular of sandstone. Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix. End of Borehole at 4.50 m	4
									5
									6
									7
									8
									9
									10

Remarks: 1. Borehole terminated at 4.5m due to refusal on sandstone bedrock. 2. Groundwater not encountered at 2.7m, rising to 2.5m after 20 mins.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: BH02 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: CP	
Equipment: Dando 2000				Diameter of Casing: 200mm		Level:		Scale 1:50	
Diameter of Boring: 200mm				Depth of Casing: 6.30m		Dates 03/12/2020 -		Logged By: MB/LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20		Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets. Soft grey brown silty sandy CLAY.		
		1.00		N=3 (1,0/1,0,1,1)				1	
		2.00		N=10 (4,2/3,2,3,2)	1.90		Soft, soft to firm grey brown sandy silty CLAY.	2	
	3.00 	3.00		N=11 (2,3/2,3,3,3)	3.00		Loose brown grey clayey silty SAND with bands and lenses of soft silt and clay.	3	
		4.00		N=10 (1,3/3,2,3,2)				4	
		5.00		N=14 (3,4/3,3,4,4)	4.80		Firm grey sandy gravelly silty CLAY to medium dense clayey GRAVEL. Gravel is fine to coarse angular to subangular and tabular of sandstone.	5	
	6.00		50 (38,50/50,,)	6.00		Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.	6		
					6.30		End of Borehole at 6.30 m		
								7	
								8	
								9	
								10	

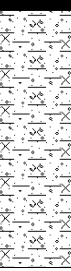
Remarks: 1. Borehole terminated at 6.3m bgl due to refusal on sandstone bedrock. 2. Groundwater encountered at 3.0m, rising to 2.9m after 20 mins.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: BH03 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: CP	
Equipment: Dando 2000				Diameter of Casing: 200mm		Level:		Scale 1:50	
Diameter of Boring: 200mm				Depth of Casing: 3.50m		Dates 09/12/2020 -		Logged By: MB/LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20		Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets Soft to firm, becoming firm, firm to stiff brown sandy gravelly silty CLAY. Gravel is fine to coarse angular to subangular of sandstone and mudstone.	1	
		1.00		N=24 (4,5/4,6,7,7)				2	
		2.00		N=20 (7,8/2,5,6,7)				3	
		3.00		105 (4,7/105 for 225mm)				4	
					3.20		Medium strong weathered brown grey SANDSTONE. Recovered as tabular gravel with some sandy matrix.	5	
					3.50		End of Borehole at 3.50 m	6	
								7	
								8	
								9	
								10	

Remarks: 1. Borehole terminated at 3.5m bgl due to refusal on sandstone bedrock. 2. Groundwater not encountered. 3. Gas monitoring well installed.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: BH04 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: CP	
Equipment: Dando 2000				Diameter of Casing: 200mm		Level:		Scale 1:50	
Diameter of Boring: 200mm				Depth of Casing: 3.20m		Dates 08/12/2020 -		Logged By: MB/LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		1.00		N=5 (1,1/1,1,1,2)	0.30			Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets	1	
								Soft brown grey sandy silty CLAY.		
		2.00		N=54 (5,9/13,14,15,12)	0.80			Coal		2
					1.10			Firm brown grey silty sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of sandstone and mudstone.		
		3.00		50 (41,50/50 for 75mm)	2.80			Weak brown weathered MUDSTONE. Recovered as mudstone gravel in a clayey sandy matrix.		3
			3.20		End of Borehole at 3.20 m			4		
									5	
									6	
									7	
									8	
									9	
									10	

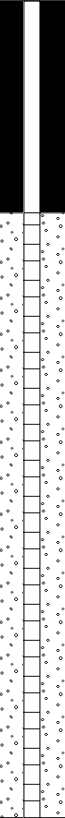
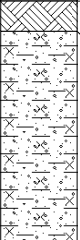
Remarks: 1. Borehole terminated at 3.2m due to refusal on bedrock. 2. Groundwater not encountered		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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APPENDIX F

WINDOWLESS SAMPLE BOREHOLE LOGS

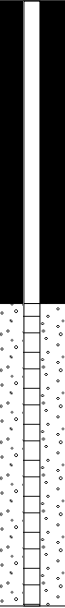
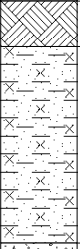
[illegible]

		Integral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: WS02 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: WS	
Equipment: Competitor				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 101mm				Depth of Casing:		Dates 11/12/2020 -		Logged By: LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.10		Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets Soft to firm orange brown very sandy slightly gravelly silty CLAY. Gravel is fine to coarse angular to subangular of sandstone.		
		1.00	S	N=25 (7,6/7,6,6,6)	0.80		Medium dense mottled grey brown clayey silty SAND and GRAVEL with sand bands. Gravel is fine to coarse angular to subangular of sandstone with cobbles.	1	
		1.80	S	N=27 (12,9/5,6,7,9)				2	
		2.70	S	50 (12,10/50 for 115mm)	2.70		End of Borehole at 2.70 m	3	
								4	
								5	

Remarks: 1. Borehole terminated at 2.7m due to refusal. 2. Groundwater not encountered. 3. Gas monitoring well installed.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: WS03 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: WS	
Equipment: Competitor				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 101mm				Depth of Casing:		Dates 11/12/2020 -		Logged By: LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15		Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets		
					0.80		Soft to firm orange yellow brown sandy to very sandy silty CLAY with bands of clayey SAND.		
		1.00	S	N=26 (4,7/8,6,6,6)			Medium dense brown grey silty clayey SAND and GRAVEL to gravelly SAND. Gravel is fine to coarse angular of subrounded of sandstone with sandstone cobbles.	1	
		2.00	S	N=50 (3,5/50 for 285mm)	2.00		End of Borehole at 2.00 m	2	
								3	
								4	
								5	

Remarks: 1. Borehole terminated at 2.0m due to refusal. 2. Groundwater not encountered. 3. Gas monitoring well installed.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: Meadow Road		Project No.: 12722		Borehole No.: WS04 Sheet 1 of 1	
Location: Neath				Client: Jones Brothers (Henllan) Ltd and Tai Tarian		Coordinates:		Hole Type: WS	
Equipment: Competitor				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 101mm				Depth of Casing:		Dates 11/12/2020 -		Logged By: LW	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.15		 Topsoil: Grass onto brown organic slightly gravelly slightly sandy silty clay with rootlets  Soft to firm brown grey silty sandy CLAY.	
					0.30			 Medium dense yellow grey brown silty clayey sandy GRAVEL. Gravel is fine to coarse angular to subangular of sandstone with frequent cobbles.
		0.69	S	50 (25 for 135mm/50 for 170mm)	0.60		End of Borehole at 0.60 m	

Remarks: 1. Borehole terminated at 0.6m due to refusal. 2. Groundwater not encountered.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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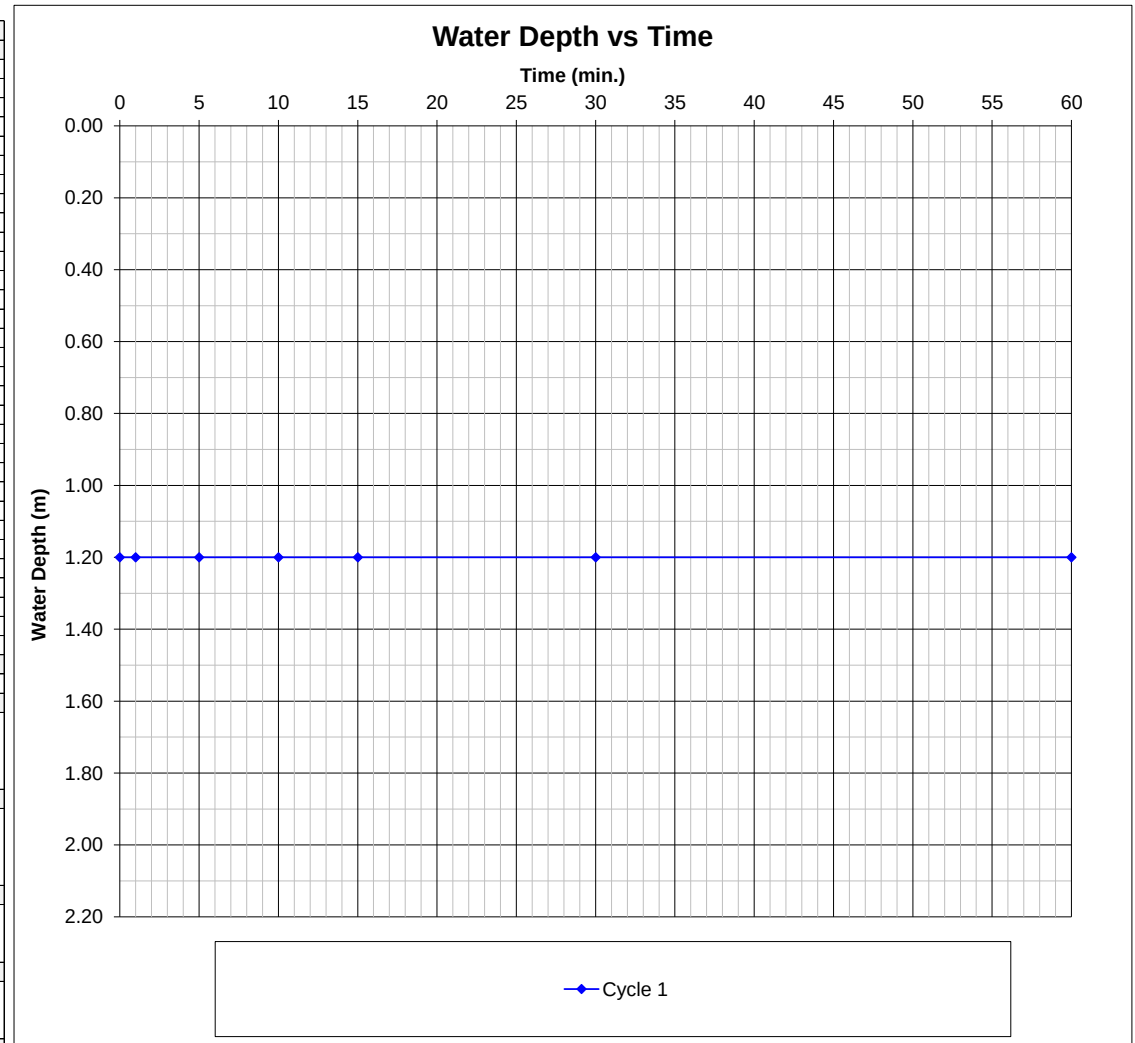
APPENDIX G

SOIL INFILTRATION TEST RESULTS

12722 Meadow Road, Neath

Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.20		
Water Depths (m)			
Water depth at start of test	1.20		
Water depth at end of test	1.20		
Effective depth (measured)	0.00		
% Effective storage depth	0.00		
Effective Storage Depths (m)			
Effective storage depth (100%)	1.00		
Effective storage depth (75%)	0.75		
Effective storage depth (50%)	0.50		
Effective storage depth (25%)	0.25		
Outflow Time (min)			
Time for measured outflow	60		
Time for 100% outflow			
Time for 75-25% outflow			
Volume of Outflow (m³)			
Over measured effective depth	0.00		
Over 100% effective depth	1.75		
From 75% - 25% effective depth	0.88		
Surface Area (m²)			
For 100% effective storage	8.15		
For 50% effective storage	4.95		
Over measured depth	1.75		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	#DIV/0!		
Over measured depth	0.0E+00		
Over 75% - 25% effective depth	#DIV/0!		



12722 Meadow Road, Neath

Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	1.10		
Water Depths (m)			
Water depth at start of test	0.30		
Water depth at end of test	0.32		
Effective depth (measured)	0.02		
% Effective storage depth	0.03		
Effective Storage Depths (m)			
Effective storage depth (100%)	0.80		
Effective storage depth (75%)	0.60		
Effective storage depth (50%)	0.40		
Effective storage depth (25%)	0.20		
Outflow Time (min)			
Time for measured outflow	60		
Time for 100% outflow			
Time for 75-25% outflow			
Volume of Outflow (m³)			
Over measured effective depth	0.03		
Over 100% effective depth	1.29		
From 75% - 25% effective depth	0.64		
Surface Area (m²)			
For 100% effective storage	6.41		
For 50% effective storage	4.01		
Over measured depth	1.73		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	#DIV/0!		
Over measured depth	5.2E-06		
Over 75% - 25% effective depth	#DIV/0!		

12722 Meadow Road, Neath

Remarks
Collapse of pit side after 30mins resulting in rise of water level.

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.20		
Water Depths (m)			
Water depth at start of test	1.20		
Water depth at end of test	1.20		
Effective depth (measured)	0.00		
% Effective storage depth	0.00		
Effective Storage Depths (m)			
Effective storage depth (100%)	1.00		
Effective storage depth (75%)	0.75		
Effective storage depth (50%)	0.50		
Effective storage depth (25%)	0.25		
Outflow Time (min)			
Time for measured outflow	30		
Time for 100% outflow			
Time for 75-25% outflow			
Volume of Outflow (m³)			
Over measured effective depth	0.00		
Over 100% effective depth	1.75		
From 75% - 25% effective depth	0.88		
Surface Area (m²)			
For 100% effective storage	8.15		
For 50% effective storage	4.95		
Over measured depth	1.75		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	#DIV/0!		
Over measured depth	0.0E+00		
Over 75% - 25% effective depth	#DIV/0!		

12722 Meadow Road, Neath

Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	1.70		
Water Depths (m)			
Water depth at start of test	0.50		
Water depth at end of test	0.50		
Effective depth (measured)	0.00		
% Effective storage depth	0.00		
Effective Storage Depths (m)			
Effective storage depth (100%)	1.20		
Effective storage depth (75%)	0.90		
Effective storage depth (50%)	0.60		
Effective storage depth (25%)	0.30		
Outflow Time (min)			
Time for measured outflow	60		
Time for 100% outflow			
Time for 75-25% outflow			
Volume of Outflow (m³)			
Over measured effective depth	0.00		
Over 100% effective depth	1.58		
From 75% - 25% effective depth	0.79		
Surface Area (m²)			
For 100% effective storage	8.04		
For 50% effective storage	4.68		
Over measured depth	1.32		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	#DIV/0!		
Over measured depth	0.0E+00		
Over 75% - 25% effective depth	#DIV/0!		

12722 Meadow Road, Neath

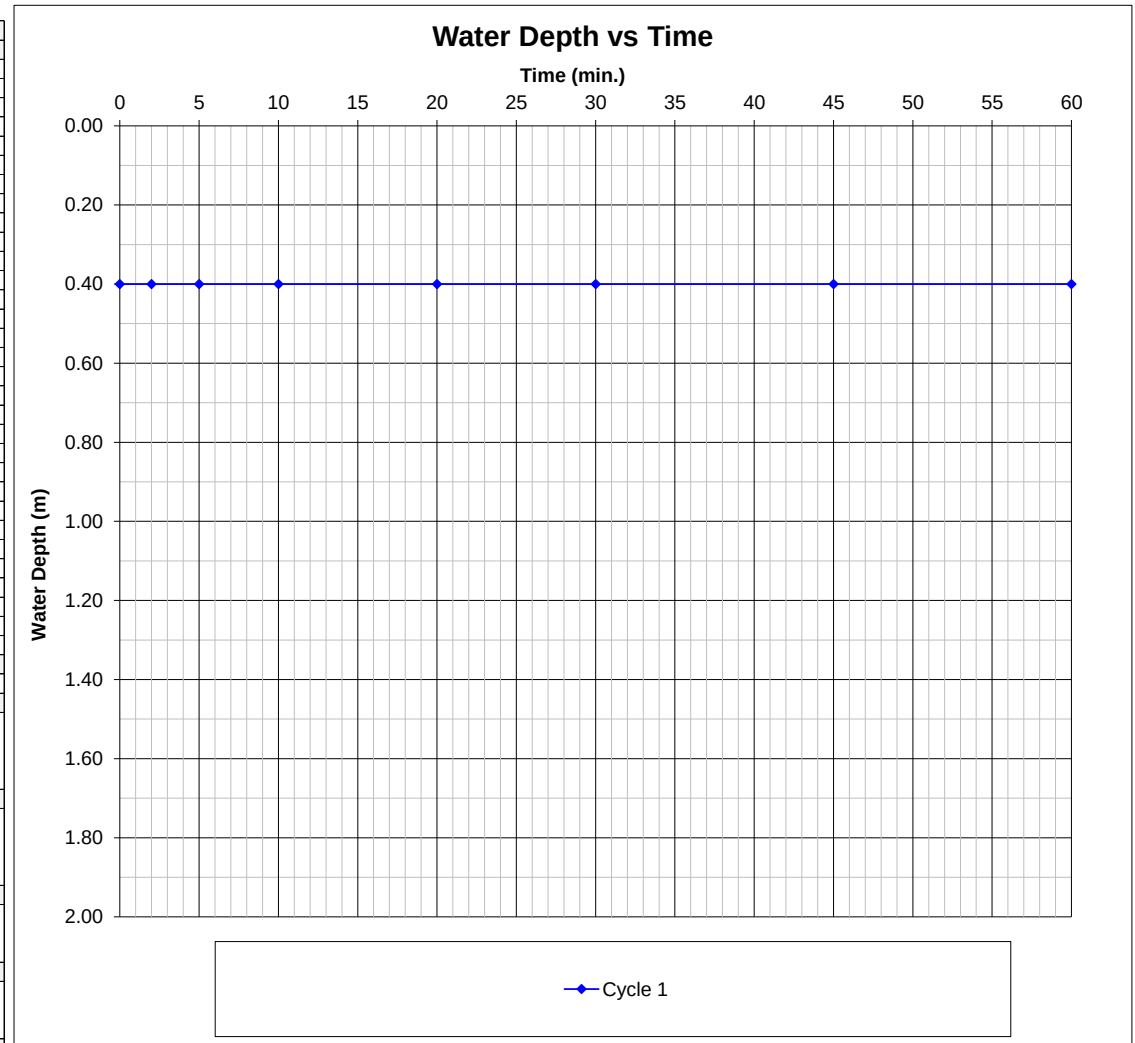
Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.00		
Water Depths (m)			
Water depth at start of test	1.00		
Water depth at end of test	1.00		
Effective depth (measured)	0.00		
% Effective storage depth	0.00		
Effective Storage Depths (m)			
Effective storage depth (100%)	1.00		
Effective storage depth (75%)	0.75		
Effective storage depth (50%)	0.50		
Effective storage depth (25%)	0.25		
Outflow Time (min)			
Time for measured outflow	60		
Time for 100% outflow			
Time for 75-25% outflow			
Volume of Outflow (m³)			
Over measured effective depth	0.00		
Over 100% effective depth	1.44		
From 75% - 25% effective depth	0.72		
Surface Area (m²)			
For 100% effective storage	7.44		
For 50% effective storage	4.44		
Over measured depth	1.44		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	#DIV/0!		
Over measured depth	0.0E+00		
Over 75% - 25% effective depth	#DIV/0!		

12722 Meadow Road, Neath

Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	1.50		
Water Depths (m)			
Water depth at start of test	0.40		
Water depth at end of test	0.40		
Effective depth (measured)	0.00		
% Effective storage depth	0.00		
Effective Storage Depths (m)			
Effective storage depth (100%)	1.10		
Effective storage depth (75%)	0.83		
Effective storage depth (50%)	0.55		
Effective storage depth (25%)	0.28		
Outflow Time (min)			
Time for measured outflow	60		
Time for 100% outflow			
Time for 75-25% outflow			
Volume of Outflow (m³)			
Over measured effective depth	0.00		
Over 100% effective depth	1.39		
From 75% - 25% effective depth	0.69		
Surface Area (m²)			
For 100% effective storage	7.20		
For 50% effective storage	4.23		
Over measured depth	1.26		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	#DIV/0!		
Over measured depth	0.0E+00		
Over 75% - 25% effective depth	#DIV/0!		



APPENDIX H

LABORATORY CHEMICAL TEST RESULTS



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Analytical Report Number : 20-36753

Project / Site name:	Eaglebush, Neath	Samples received on:	16/10/2020
Your job number:	12722	Samples instructed on/ Analysis started on:	20/10/2020
Your order number:		Analysis completed by:	30/10/2020
Report Issue Number:	1	Report issued on:	30/10/2020
Samples Analysed:	4 soil samples		

Signed: *Karolina Marek*

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 20-36753
Project / Site name: Eaglebush, Neath

Lab Sample Number				1657694	1657695	1657696	1657697
Sample Reference				TP02	TP03	TP08	TP11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.20	1.00	0.50
Date Sampled				14/10/2020	14/10/2020	13/10/2020	13/10/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	10	20	8.7	17
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7	6.7	6.6	7
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1
Total Sulphate as SO ₄	mg/kg	50	MCERTS	360	800	170	1600
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.011	0.013	0.013	0.1
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	11
Total Sulphur	mg/kg	50	MCERTS	230	420	91	820
Total Organic Carbon (TOC)	%	0.1	MCERTS	2.5	3.9	0.8	3.1
Loss on Ignition @ 450°C	%	0.2	MCERTS	6.1	10.2	2.5	9.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.66
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.64
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.12
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.7
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.7
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.79
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.82
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.84
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.32
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.48
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.32
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.37

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	6.76
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Analytical Report Number: 20-36753

Project / Site name: Eaglebush, Neath

Lab Sample Number				1657694	1657695	1657696	1657697
Sample Reference				TP02	TP03	TP08	TP11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.20	1.00	0.50
Date Sampled				14/10/2020	14/10/2020	13/10/2020	13/10/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status	

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	32	87	14	160
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.7	0.74	1.2	0.82
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	0.7	0.2	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	27	24	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	72	180	47	680
Lead (aqua regia extractable)	mg/kg	1	MCERTS	84	130	28	420
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	1.9
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	29	23	45	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.3	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	26	47	26	28
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	210	150	700

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 20-36753
Project / Site name: Eaglebush, Neath

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1657694	TP02	None Supplied	0.4	Brown loam and clay with gravel and vegetation.
1657695	TP03	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
1657696	TP08	None Supplied	1	Brown loam and clay with gravel and vegetation.
1657697	TP11	None Supplied	0.5	Brown loam and clay with gravel and vegetation.



Analytical Report Number : 20-36753
Project / Site name: Eaglebush, Neath

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS



Analytical Report Number : 20-36753
Project / Site name: Eaglebush, Neath

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Sample Deviation Report



Analytical Report Number : 20-36753
Project / Site name: Eaglebush, Neath

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP02	None Supplied	S	1657694	c	Sulphide in soil	L010-PL	c
TP02	None Supplied	S	1657694	c	Total cyanide in soil	L080-PL	c
TP03	None Supplied	S	1657695	c	Sulphide in soil	L010-PL	c
TP03	None Supplied	S	1657695	c	Total cyanide in soil	L080-PL	c
TP08	None Supplied	S	1657696	c	Sulphide in soil	L010-PL	c
TP08	None Supplied	S	1657696	c	Total cyanide in soil	L080-PL	c
TP11	None Supplied	S	1657697	c	Sulphide in soil	L010-PL	c
TP11	None Supplied	S	1657697	c	Total cyanide in soil	L080-PL	c

APPENDIX I

LABORATORY GEOTECHNICAL TEST RESULTS



Lowri Williams
Integral Geotechnique
Integral House
7 Beddau Way
Castlegate Business Park
CF83 2AX

t: 02920807991
f: 02920862176
e: Lowri@integralgeotec.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS
t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 20-36512

Project / Site name:	Eaglebush, Neath	Samples received on:	16/10/2020
Your job number:	12722	Samples instructed on/ Analysis started on:	20/10/2020
Your order number:		Analysis completed by:	28/10/2020
Report Issue Number:	1	Report issued on:	28/10/2020
Samples Analysed:	2 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 20-36512

Project / Site name: Eaglebush, Neath

Lab Sample Number				1656450	1656451
Sample Reference				TP03	TP08
Sample Number				None Supplied	None Supplied
Depth (m)				1.20	1.00
Date Sampled				14/10/2020	13/10/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	20	8.1
Total mass of sample received	kg	0.001	NONE	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	5.9	6.1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0076	0.0072

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 20-36512
Project / Site name: Eaglebush, Neath

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1656450	TP03	None Supplied	1.2	Brown clay and sand.
1656451	TP08	None Supplied	1	Brown sandy clay with vegetation.

Analytical Report Number : 20-36512
Project / Site name: Eaglebush, Neath

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.



TEST CERTIFICATE

Liquid and Plastic Limits

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Environmental Science

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client: Integral Geotechnique
Client Address: Integral House, 7 Beddau Way,
Castlegate Business Park, CF83 2AX

Client Reference: 12722
Job Number: 20-36509
Date Sampled: 14/10/2020
Date Received: 16/10/2020
Date Tested: 23/10/2020
Sampled By: Not Given

Contact: Lowri Williams
Site Address: Eaglebush, Neath

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

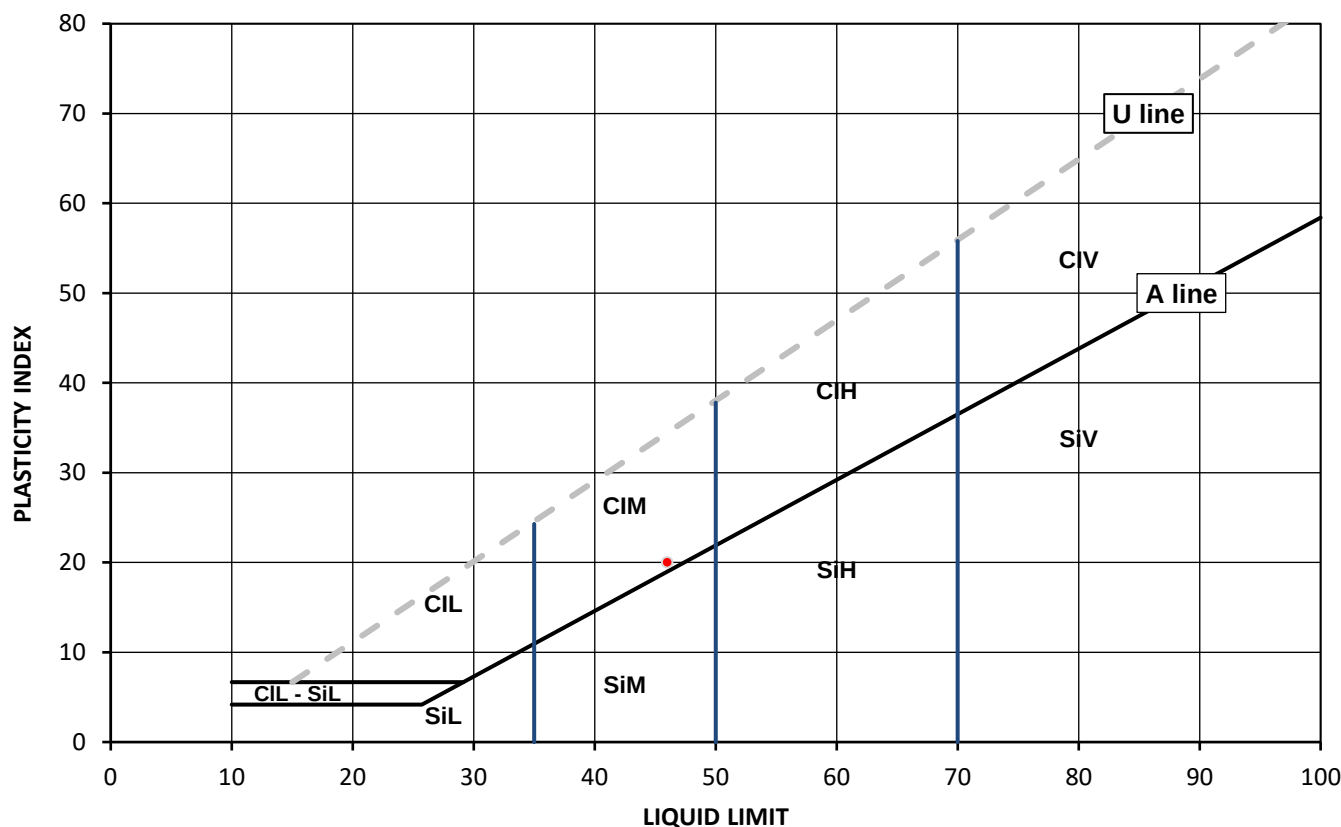
Test Results:

Laboratory Reference: 1656439
Hole No.: TP03
Sample Reference: Not Given
Soil Description: Brown slightly gravelly slightly sandy CLAY

Depth Top [m]: 1.20
Depth Base [m]: Not Given
Sample Type: D

Sample Preparation: Tested after washing to remove >425um

As Received Moisture Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
28	46	26	20	66



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl	Clay	L Low below 35
Si	Silt	M Medium 35 to 50
		H High 50 to 70
		V Very high exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Page 1 of 1

Date Reported: 29/10/2020

GF 236.10



SUMMARY REPORT

Summary of Classification Test Results

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Tested in Accordance with:

Client: Integral Geotechnique
Client Address: Integral House, 7 Beddau Way,
Castlegate Business Park, CF83 2AX

Moisture Content by BS 1377-2: 1990: Clause 3.2; Water Content by BS EN
17892-1: 2014; Atterberg by BS 1377-2: 1990: Clause 4.3 (4 Point Test),
Clause 4.4 (1 Point Test) and 5; PD by BS 1377-2: 1990: Clause 8.2

Client Reference: 12722
Job Number: 20-36509
Date Sampled: 13/10 - 14/10/2020
Date Received: 16/10/2020
Date Tested: 23/10/2020
Sampled By: Not Given

Contact: Lowri Williams
Site Address: Eaglebush, Neath

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	Moisture Content [W]	Water Content [W]	Atterberg				Density			Total Porosity#		
		Reference	Depth Top	Depth Base	Type					% Passing 425um	WL	Wp	Ip	bulk	dry	PD			
			m	m															
1656439	TP03	Not Given	1.20	Not Given	D	Brown slightly gravelly slightly sandy CLAY	Atterberg 4 Point	28		66	46	26	20						
1656440	TP08	Not Given	1.00	Not Given	D	Brownish grey slightly clayey SHALES		8.2											

Note: # Non accredited; NP - Non plastic

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Janoszek
PL Deputy Head of Geotechnical Section
for and on behalf of i2 Analytical Ltd

APPENDIX J

IN-SITU GAS MONITORING

FIELD GAS MONITORING RESULTS

Job No.: 12722
 Site: Meadow Road, Neath
 Monitoring Date: 16.12.20
 Monitoring Round: 1

Monitoring Conditions

Weather: Cloudy
 Ambient Temp: 8 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 998
 During Monitoring: 998
 End of Monitoring: 998

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 2	2.43	1.72	0.20	0.10	4.00	2.00	19.20	19.50	1.10	0.80	<1	<1	<0.3	4.10
WS 3	1.82	1.11	<0.5	<0.5			19.10	19.30	2.70	1.90	22.00	<1	<0.3	5.20
BH 3	1.0	0.41	0.10	0.10	2.00	2.00	20.00	20.10	0.40	0.30	<1	<1	<0.3	1.60

Typical Instrument Accuracy:

%CH ₄	0-70% +/- 0.5%	CO	0-500ppm +/- 2% FS	LEL = Lower Explosive Limit
%CO ₂	0-60% +/- 0.5%	H ₂ S	0-5000ppm +/- 2.0% FS	N/R = No Reading Taken
%O ₂	0-25% +/- 1.0%	Flow from borehole	+/- 0.3l/h	FS = Full Scale

Notes:

FIELD GAS MONITORING RESULTS

Job No.: 12722
 Site: Meadow Road, Neath
 Monitoring Date: 07.01.21
 Monitoring Round: 2

Monitoring Conditions

Weather: Sunny
 Ambient Temp: 1 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 1016
 During Monitoring: 1016
 End of Monitoring: 1016

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 2	2.43	1.78	0.10	0.10	2.00	2.00	19.50	19.60	1.20	1.20	<1	<1	<0.3	2.10
WS 3	1.82	1.17	<0.5	<0.5			18.70	18.80	2.50	2.50	<1	<1	<0.3	2.80
BH 3	1.0	0.62	0.10	0.10	2.00	2.00	19.40	19.40	0.20	0.20	<1	<1	<0.3	1.70

Typical Instrument Accuracy:

%CH ₄	0-70% +/- 0.5%	CO	0-500ppm +/- 2% FS	LEL = Lower Explosive Limit
%CO ₂	0-60% +/- 0.5%	H ₂ S	0-5000ppm +/- 2.0% FS	N/R = No Reading Taken
%O ₂	0-25% +/- 1.0%	Flow from borehole	+/- 0.3l/h	FS = Full Scale

Notes:

FIELD GAS MONITORING RESULTS

Job No.: 12722
Site: Meadow Road, Neath
Monitoring Date: 20.01.21
Monitoring Round: 3

Monitoring Conditions

Weather:	Light Rain	
Ambient Temp:	8	°C
Instrument:	GA5000	

Barometric Pressure (mb)

On Arrival:	972
During Monitoring:	972
End of Monitoring:	972

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 2	2.43	1.81	0.10	0.10	2.00	2.00	19.20	19.20	1.30	1.30	<1	<1	<0.3	1.80
WS 3	1.82	1.14	<0.5	<0.5			18.10	18.50	2.20	2.10	<1	<1	<0.3	2.10
BH 3	1.0	0.58	0.20	0.10	4.00	2.00	20.10	20.10	0.30	0.30	<1	<1	<0.3	1.80
Typical Instrument Accuracy:														
%CH ₄	0-70% +/- 0.5%		CO	0-500ppm +/- 2% FS										
%CO ₂	0-60% +/- 0.5%		H ₂ S	0-5000ppm +/- 2.0% FS										
%O ₂	0-25% +/- 1.0%		Flow from borehole +/- 0.3l/h											
Notes:														

FIELD GAS MONITORING RESULTS

Job No.: 12722
 Site: Meadow Road, Neath
 Monitoring Date: 10.02.21
 Monitoring Round: 4

Monitoring Conditions

Weather: Sunny
 Ambient Temp: 2 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 998
 During Monitoring: 998
 End of Monitoring: 998

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 2	2.43	1.69	0.20	0.10	4.00	2.00	19.60	19.60	1.30	1.10	<1	<1	<0.3	3.50
WS 3	1.82	1.08	<0.5	<0.5			19.60	19.80	2.60	2.10	<1	<1	<0.3	3.80
BH 3	1.0	0.36	0.20	0.10	4.00	2.00	19.60	19.90	0.20	0.20	<1	<1	<0.3	1.20
Typical Instrument Accuracy: %CH ₄ 0-70% +/- 0.5% CO 0-500ppm +/- 2% FS %CO ₂ 0-60% +/- 0.5% H ₂ S 0-5000ppm +/- 2.0% FS %O ₂ 0-25% +/- 1.0% Flow from borehole +/- 0.3l/h LEL = Lower Explosive Limit N/R = No Reading Taken FS = Full Scale														
Notes: 														

FIELD GAS MONITORING RESULTS

Job No.: 12722
 Site: Meadow Road, Neath
 Monitoring Date: 24.02.21
 Monitoring Round: 5

Monitoring Conditions

Weather: Cloudy
 Ambient Temp: 7 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 1002
 During Monitoring: 1002
 End of Monitoring: 1002

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 2	2.43	1.58	0.10	0.10	2.00	2.00	19.60	19.60	0.80	0.80	<1	<1	<0.3	2.10
WS 3	1.82	1.06	<0.5	<0.5			18.90	19.20	2.10	2.00	<1	<1	<0.3	3.60
BH 3	1.0	0.37	0.20	0.10	4.00	2.00	18.60	18.80	0.20	0.20	<1	<1	<0.3	0.50

Typical Instrument Accuracy:

%CH ₄	0-70% +/- 0.5%	CO	0-500ppm +/- 2% FS	LEL = Lower Explosive Limit
%CO ₂	0-60% +/- 0.5%	H ₂ S	0-5000ppm +/- 2.0% FS	N/R = No Reading Taken
%O ₂	0-25% +/- 1.0%	Flow from borehole	+/- 0.3l/h	FS = Full Scale

Notes:

FIELD GAS MONITORING RESULTS

Job No.: 12722
 Site: Meadow Road, Neath
 Monitoring Date: 17.03.21
 Monitoring Round: 6

Monitoring Conditions

Weather: Sunny
 Ambient Temp: 9 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 1008
 During Monitoring: 1008
 End of Monitoring: 1008

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 2	2.43	1.78	0.10	0.10	2.00	2.00	19.10	19.50	0.80	0.80	<1	<1	<0.3	2.10
WS 3	1.82	1.16	<0.5	<0.5			18.80	18.80	1.70	1.70	<1	<1	<0.3	2.60
BH 3	1.0	0.58	0.10	0.10	2.00	2.00	19.60	19.60	0.20	0.20	<1	<1	<0.3	1.40

Typical Instrument Accuracy:

%CH ₄	0-70% +/- 0.5%	CO	0-500ppm +/- 2% FS	LEL = Lower Explosive Limit
%CO ₂	0-60% +/- 0.5%	H ₂ S	0-5000ppm +/- 2.0% FS	N/R = No Reading Taken
%O ₂	0-25% +/- 1.0%	Flow from borehole	+/- 0.3l/h	FS = Full Scale

Notes:

APPENDIX K

SUMMARY OF LABORATORY CHEMICAL TEST RESULTS

SUMMARY OF LABORATORY SOIL TEST RESULTS

METALS AND SEMI-METALS

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Topsoil
Soil Organic Matter: 1%

No.	Location	Depth (m)	Arsenic (mg/kg)	Boron (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (Elemental) (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
1	TP03	0.20	87	0.7	0.74	< 0.2	27	< 4.0	180	130	< 0.3	23	1.3	47	210
Screening Criteria Value			37.0	290.0	1.7	11.0	-	6.0	2400.0	200.0	1.2	130.0	250.0	410.0	3700.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	-	S4UL	S4UL	C4SL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

INORGANIC CHEMICALS & OTHERS

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Topsoil
Soil Organic Matter: 1%

No.	Location	Depth (m)	Cyanide (mg/kg)	Loss on ignition, dried solids (%)	Moisture content at 30 C (%)	Phenol (mg/kg)	pH (pH units)	Water Soluble Sulphate (g/l)	Sulphate Total as SO4 (mg/kg)	Sulphide (mg/kg)	Total Sulphur (mg/kg)	TOC by Ignition in O2 (%)	Equivalent SOM (%)	Asbestos in Soil	Asbestos Quantification (%)
1	TP03	0.20	< 1	10.20	20.00	< 1.0	6.70	0.01	800.00	< 1.0	420.00	3.90	6.71	Not-detected	#N/A
Screening Criteria Value			34.0	-	-	120.0	-	-	-	-	-	-	-	-	0.001
Source of Screening Criteria Value			ATRISK	-	-	S4UL	-	-	-	-	-	-	-	-	IOM

SUMMARY OF LABORATORY SOIL TEST RESULTS

POLYAROMATIC HYDROCARBONS (PAH)

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Topsoil
Soil Organic Matter: 1%

No.	Location	Depth (m)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(ah)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(123cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
1	TP03	0.20	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Screening Criteria Value			210.0	170.0	2400.0	7.2	2.2	2.6	320.0	77.0	15.0	0.2	280.0	170.0	27.0	2.3	95.0	620.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

METALS AND SEMI-METALS

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Made Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Arsenic (mg/kg)	Boron (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (Elemental) (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
1	TP02	0.40	32	0.6	0.7	< 0.2	21	< 4.0	72	84	< 0.3	29	< 1.0	26	120
4	TP11	0.50	160	0.8	0.82	< 0.2	18	< 4.0	680	420	1.9	24	< 1.0	28	700
Screening Criteria Value			37.0	290.0	1.7	11.0	-	6.0	2400.0	200.0	1.2	130.0	250.0	410.0	3700.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	-	S4UL	S4UL	C4SL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

INORGANIC CHEMICALS & OTHERS

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Made Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Cyanide (mg/kg)	Loss on ignition, dried solids (%)	Moisture content at 30 C (%)	Phenol (mg/kg)	pH (pH units)	Water Soluble Sulphate (g/l)	Sulphate Total as SO4 (mg/kg)	Sulphide (mg/kg)	Total Sulphur (mg/kg)	TOC by Ignition in O2 (%)	Equivalent SOM (%)	Asbestos in Soil	Asbestos Quantification (%)
1	TP02	0.40	< 1	6.10	10.00	< 1.0	7.00	0.01	360.00	< 1.0	230.00	2.50	4.30	Not-detected	#N/A
4	TP11	0.50	< 1	9.10	17.00	< 1.0	7.00	0.10	1600.00	11.00	820.00	3.10	5.33	Not-detected	#N/A
Screening Criteria Value			34.0	-	-	120.0	-	-	-	-	-	-	-	-	0.001
Source of Screening Criteria Value			ATRISK	-	-	S4UL	-	-	-	-	-	-	-	-	IOM

SUMMARY OF LABORATORY SOIL TEST RESULTS

POLYAROMATIC HYDROCARBONS (PAH)

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Made Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(ah)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(123cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
1	TP02	0.40	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4	TP11	0.50	< 0.05	< 0.05	0.12	0.79	0.48	0.84	0.37	0.32	0.82	< 0.05	0.7	< 0.05	0.32	0.66	0.64	0.7
Screening Criteria Value			210.0	170.0	2400.0	7.2	2.2	2.6	320.0	77.0	15.0	0.2	280.0	170.0	27.0	2.3	95.0	620.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

METALS AND SEMI-METALS

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Natural Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Arsenic (mg/kg)	Boron (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (Elemental) (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
1	TP08	1.00	14	0.2	1.2	< 0.2	24	< 4.0	47	28	< 0.3	45	< 1.0	26	150
Screening Criteria Value			37.0	290.0	1.7	11.0	-	6.0	2400.0	200.0	1.2	130.0	250.0	410.0	3700.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	-	S4UL	S4UL	C4SL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

INORGANIC CHEMICALS & OTHERS

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Natural Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Cyanide (mg/kg)	Loss on ignition, dried solids (%)	Moisture content at 30 C (%)	Phenol (mg/kg)	pH (pH units)	Water Soluble Sulphate (g/l)	Sulphate Total as SO4 (mg/kg)	Sulphide (mg/kg)	Total Sulphur (mg/kg)	TOC by Ignition in O2 (%)	Equivalent SOM (%)	Asbestos in Soil	Asbestos Quantification (%)
1	TP08	1.00	< 1	2.50	8.70	< 1.0	6.60	0.01	170.00	< 1.0	91.00	0.80	1.38	Not-detected	#N/A
Screening Criteria Value			34.0	-	-	120.0	-	-	-	-	-	-	-	-	0.001
Source of Screening Criteria Value			ATRISK	-	-	S4UL	-	-	-	-	-	-	-	-	IOM

SUMMARY OF LABORATORY SOIL TEST RESULTS

POLYAROMATIC HYDROCARBONS (PAH)

Job No.: 12722
Site: Meadow Road, Neath
Soil Type: Natural Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(ah)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(123cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
1	TP08	1.00	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Screening Criteria Value			210.0	170.0	2400.0	7.2	2.2	2.6	320.0	77.0	15.0	0.2	280.0	170.0	27.0	2.3	95.0	620.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL

FIGURES



NORTH

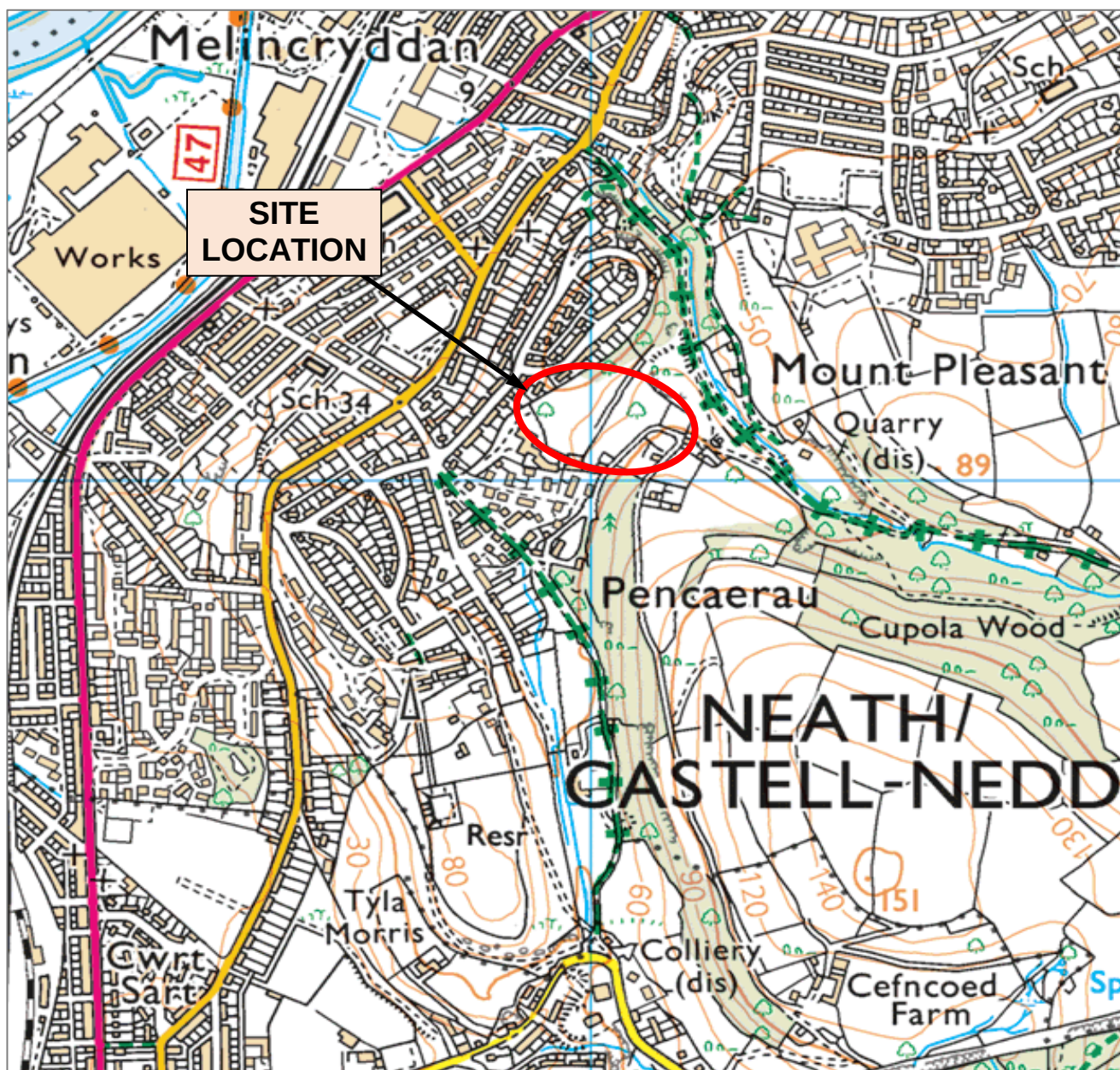


FIGURE 1: SITE LOCATION

Meadow Road, Neath

Intégral
Géotechnique

Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991
Fax: 029 2086 2176

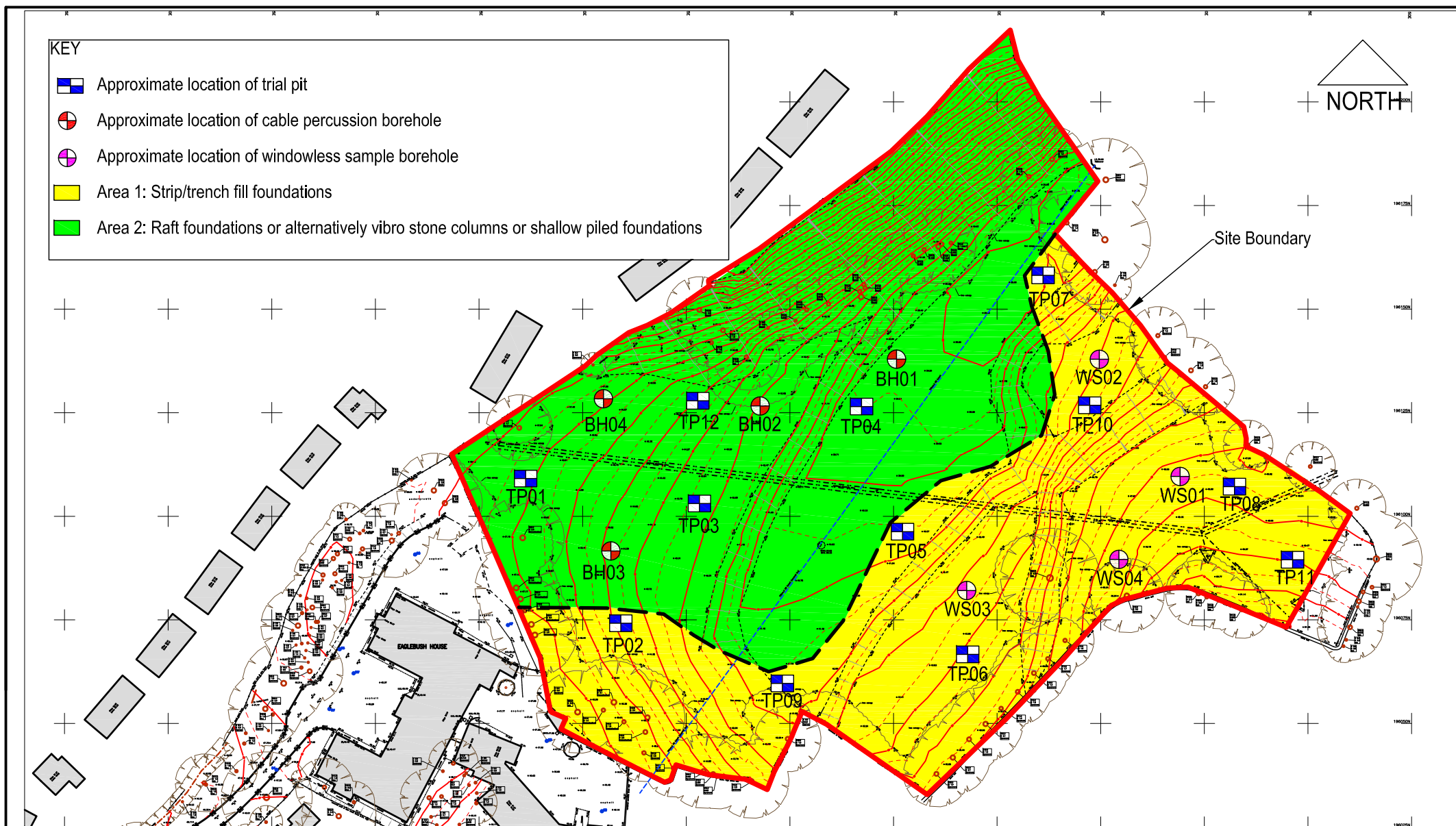


Figure 2: Site Plan

Project: Meadow Road, Neath

Client: Jones Brothers (Henllan) Ltd and Tai Tarian

Job No.: 12722

Scale: 1:1250 at A4

Intégral
Géotechnique

Integral House,
7 Beddau Way,
Castlegate Business Park,
Caerphilly,
CF83 2AX.
Tel: 029 2080 7991

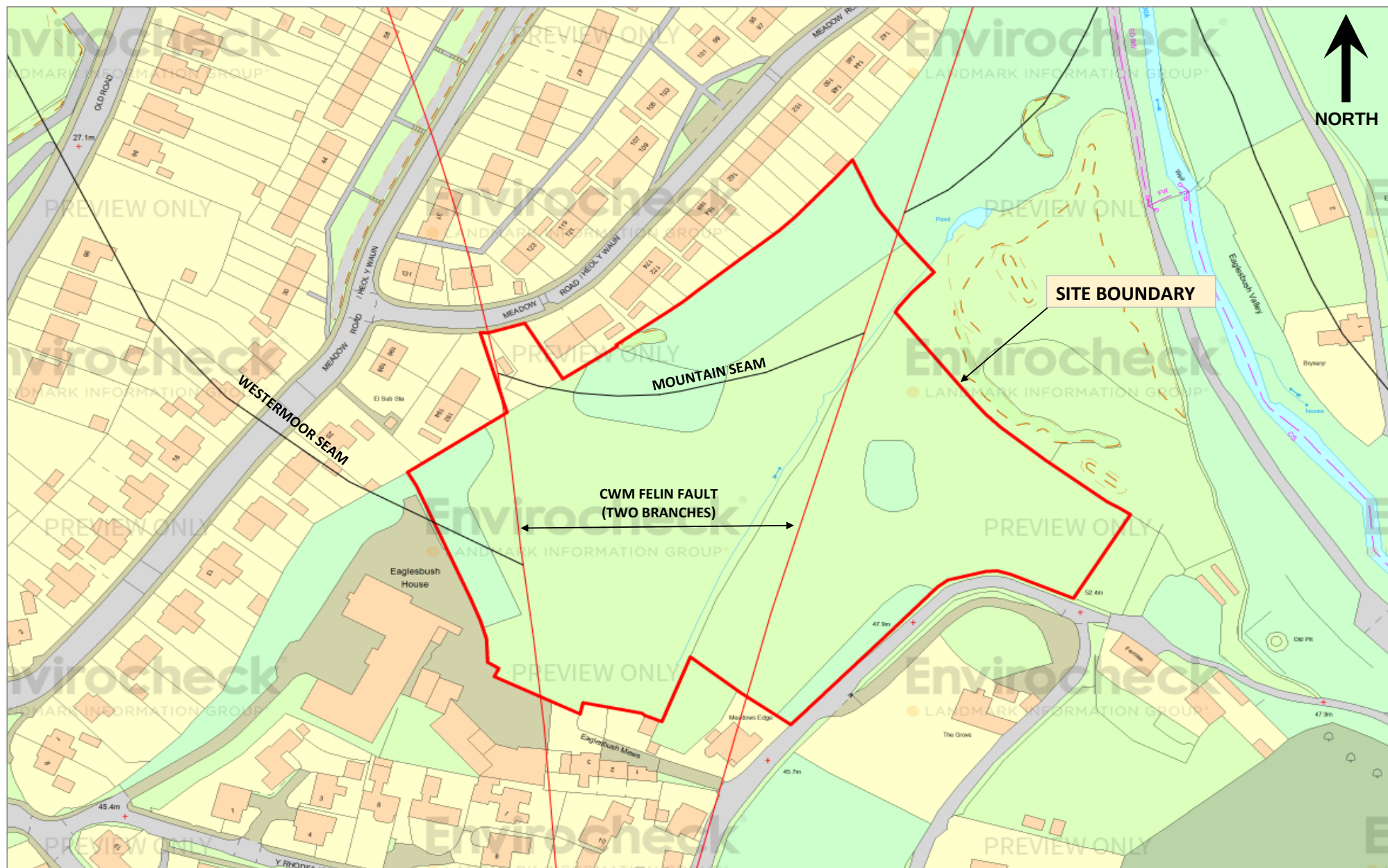


FIGURE 3: GEOLOGY

Meadow Road, Neath

Intégral
Géotechnique

Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991
Fax: 029 2086 2176

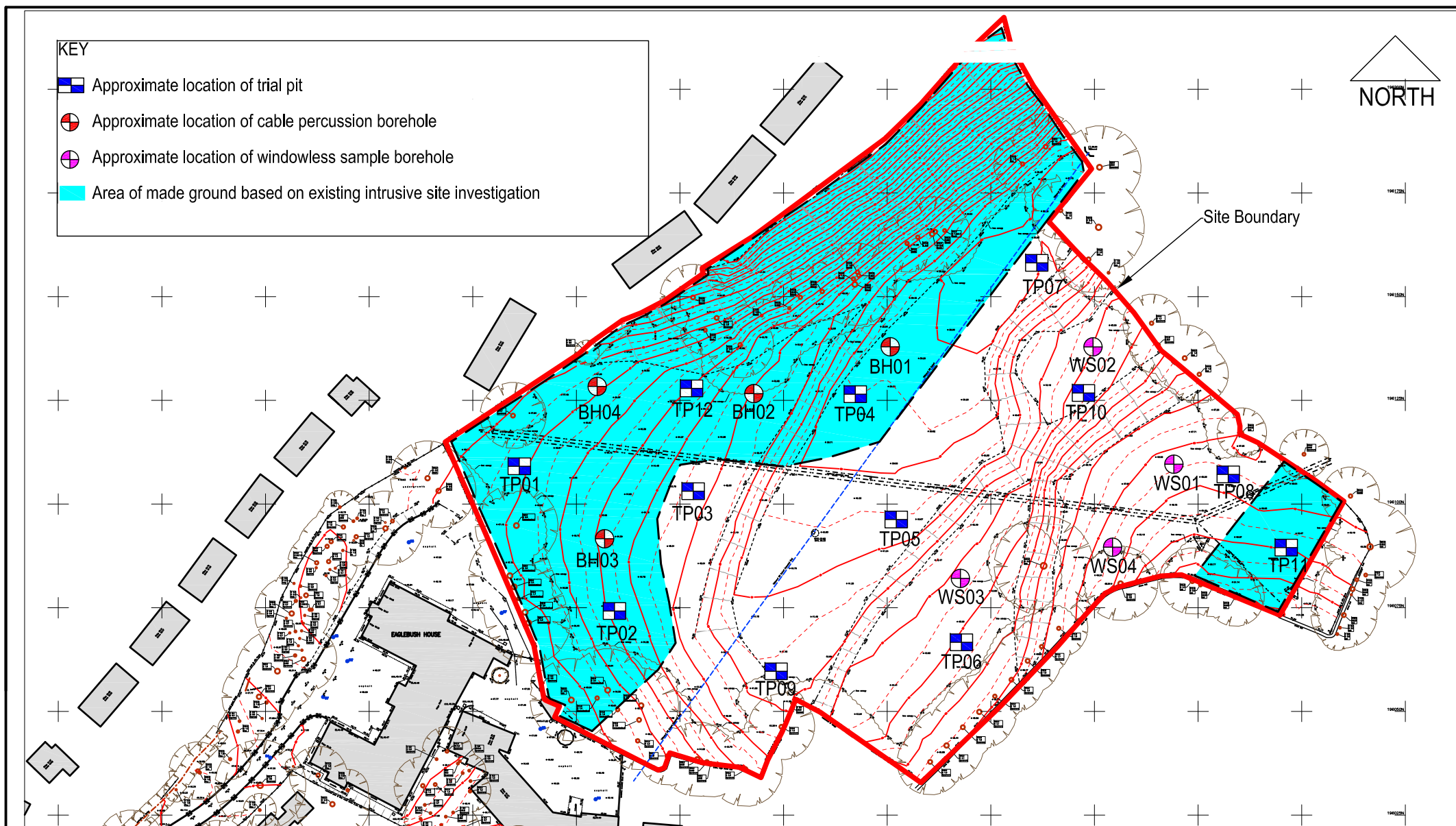


Figure 4: Areas of Made Ground

Project: Meadow Road, Neath

Client: Jones Brothers (Henllan) and Tai Tarian

Job No.: 12722

Scale: 1:1250 at A4

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Géotechnique

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